10 YEAR RETROSPECTIVE CLINICO-PATHOLOGICAL ANALYSIS OF HEAD AND NECK MALIGNANCIES IN OUR INSTITUITION

G.UDAYA CHANDRIKA

Dissertation Submitted to

THE TAMIL NADU DR.M.G.R.MEDICAL INIVERSITY

in partial fulfilment

of the requirements for the degree of

M.S. DEGREE

BRANCH –IV

M.S. OTORHINOLARYNGOLOGY

DEPARTMENT OF OTORHINOLARYNGOLOGY
KILPAUK MEDICAL COLLEGE
CHENNAI - 600 010.

APRIL - 2016

CERTIFICATE

This is to certify that **Dr.G.UDAYA CHANDRIKA,** postgraduate student (2013 – 2016) in the Department of Otorhinolaryngology, Government Kilpauk Medical College and Hospital, Chennai has done this dissertation titled **"10 YEAR RETROSPECTIVE CLINICO-PATHOLOGICAL ANALYSIS OF HEAD AND NECK MALIGNANCIES IN OUR INSTITUITION "** under the direct guidance and supervision in partial fulfilment of the regulations laid down by the Tamil Nadu Dr.M.G.R. Medical University, Chennai, for M.S. Branch–IV Otorhinolaryngology Degree Examination.

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DECLARATION

I **Dr.G.UDAYA CHANDRIKA** solemnly declare that the dissertation titled **"10 YEAR RETROSPECTIVE CLINICO-PATHOLOGICAL ANALYSIS OF HEAD AND NECK MALIGNANCIES IN OUR INSTITUITION"** is a bonafide work done by me at Government Kilpauk Medical College under the guidance and supervision of **Prof.Dr.K.RAVI MS, DLO., DNB,** Professor and Head of Department of Otorhinolaryngology.

This dissertation is submitted to the Tamil Nadu Dr.M.G.R. Medical University towards the partial fulfilment of the requirements of M.S. Branch –IV, Otorhinolaryngology degree examination.

Chennai

Date : **Dr.G.UDAYA CHANDRIKA**

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INSTITUTIONAL ETHICAL COMMITTEE
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CHENNAI-10

Protocol ID No.12/12/2014 Dt. 20.01.2015

CERTIFICATE OF APPROVAL

The Institutional Ethical Committee of Govt. Kilpauk Medical College, Chennai reviewed and discussed the application for approval "10 Year Retrospective Clinico-Pathological Analysis of Head and Neck Malignancies in our Instituition"- For Project Work-submitted by Dr. Dr.G.Udaya Chandrika, MS (ENT), PG Student, KMC, Chennai-10.

The Proposal is APPROVED.

The Institutional Ethical Committee expects to be informed about the progress of the study any Adverse Drug Reaction Occurring in the Course of the study any change in the protocol and patient information /informed consent and asks to be provided a copy of the final report.

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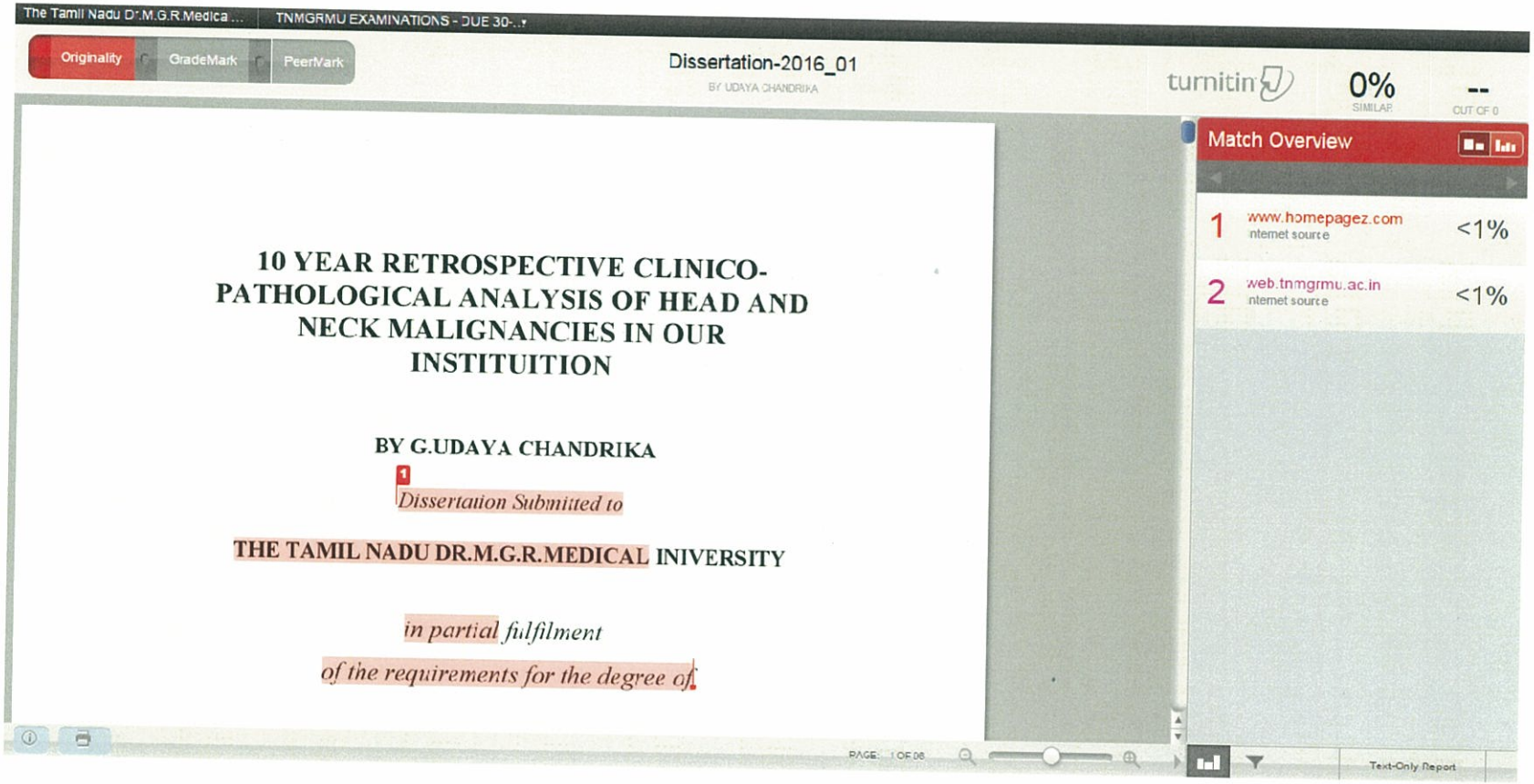
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LIST OF ABBREVIATIONS

HEAD AND NECK CANCER	HNCA
SQUAMOUS CELL CARCINOMA	SCC
MUCOEPIDERMOID CARCINOMA	MEC
HISTOPATHOLOGY	HPE
PAPILLARY CARCINOMA	PAP CA
YEARS	YRS
EXTRA	ETC
MALE : FEMALE	M:F
ADENOID CYSTIC CARCINOMA	ACC
CARCINOMA	CA
NON HODGKINS LYMPHOMA	NHL
EAR NOSE THROAT	ENT
DEPARTMENT	DEPT
BASAL CELL CARCINOMA	BCC
PARANASAL SINUSES	PNS

TABLE OF CONTENTS

ABSTRACT

Background and Objective:

Head and Neck Malignancies prevalence varies from 20-30%in India, which constitutes malignancies in nasal cavities, paranasal sinuses, nasopharynx, oral cavity, oropharynx, hypopharynx, cervical oesophagus, parapharyngeal space, ears, scalp, thyroid and salivary glands.

Carcinomas, Lymphomas, Sarcomas are the most encountered histopathological variants along with other rare presentations. Smoking, Alcohol, oncogenic viruses, genetic factors, and nutritional deficiencies are the well known documented etiological factors for head and neck malignancies.

Patients at the time of presentation are mostly in advanced stage. Treatment options at advanced stages are limited and they tend to be more mutilating with increased morbidity and poor prognosis.

Analysis of Head and Neck malignancies serves as a tool for

i) Time trends of disease

ii) Planning and evaluation of operational activities in all areas of cancer control such as

   a) Facilities for screening and proper management of cancer patients

   b) Strategies to create public awareness about these cancers

Study design:

Retrospective Study

Methods:

Pathological data with relevant clinical details during the past 10 years i.e., from 2004 to 2014 were collected from Govt Kilpauk Medical College and Govt Royapettah Hospital. The Age of presentation, sex of the individual, the sites where the diagnosis was done along with final histopathological conclusion were taken into consideration.

The data under analysis is distributed over 10 years during which a lot has happened in the field of medicine, such as usage of advanced diagnostic modalities which has helped us to reach every intricate anatomical sub site in head and neck and to detect even early stages of cancer. The histological reports have attained refinement in the form of immunohistochemistry. The retrospective analysis can help us to come to an earlier and accurate diagnosis for the benefit of the patients.

Gender and Age distribution of head and neck malignancies can give us an insight in changes in lifestyles which may lead to increased exposure of inciting factors of cancers. With the current burden of cancers, such a in depth analysis remains imperative.

INTRODUCTION

Head and neck is an leading public health problem with greater implications on the socio economic progress of our society. Etiological factors vary from place to place and also access to health care and diagnostic facilities. Analysis of the head and neck malignancies in our local population helps us to understand the burden our society will have to bear. This will lead on to our planning for a fully equipped infrastructure, to allocate human resource with thorough knowledge and dedication.

Head and cancers have long latent period and the management of these patients spread over many years. So a need based research with coordination from different specialities which includes general surgery, ENT surgery,Ophthalmology, Dental surgery, Oncology, Pathology, Radiology becomes essential for the hour.Complete and coordinated documentation and sharing of the documented evidence will not only guide us to the burden of the disease but also give the treating professional an idea how much time has elapsed from the entry of the patient till acquiring treatment.

In India, Head and Neck malignancies constitute about 57.5% of the global incidence and 30% of all others cancers which definitely have repercussions on the socio economic development.

Head and neck cancers constitute about 30 % of all malignancies among men and 11-16% among women.

These cancers are in the most intricate and delicate areas of the human body which are essential for life and for social interaction as well. Because when head and neck cancer at a site occurs and spreads to other areas , it causes deformity and disability which affects basic necessities of life such as breathing, eating, hearing, vision, facial expressions, intracranial extension affecting important centres in brain, etc.,

Knowledge regarding the early symptoms,risk factors for these cancers, identifying the centres which provide early detection and care, financial support and family support for repeated hospital visits and stay, understanding the chronic nature of the disease and acquiring patience during diagnostic and treatment approaches,relaxing usual regulations at the workplace of these cancer patients: require contribution from all sections of the society. Elaborating about the occurrence of these cancers in the local population will definitely bring a greater impact rather than citing references from countries which the common man doesnot know of.Also these statistical data when pertaining to local population will be a good aid for the administrators to bring about plans and financial aid to create public awareness about these cancers, etiological and risk factors.

60-80% of the head and neck cancer patients present to us in advanced stages when compared to 60% of the same in developed

countries. Emphasis given on health care problems is the factor which has caused patients in those countries to seek medical help at the earliest. In our country a lot has to be done for the patients to come to medical facilities at the earliest.

The diagnostic facilities available at present were not available 10 yrs back. A long period study will help us to understand how these technically feasible equipment can bring about a change in early diagnosis and treatment in big referral centres; and also early referral of cases from smaller health centres.Documented data at the institutional level will help the health administrators to plan for procurement, maintenance and upgrading of all the diagnostic gadgets and treatment facilities.

Initiation and properly maintained continuation of these statistical data will help in our long run, because when we aim for an economically stronger society it is mandatory to check the receding factors, head and neck malignancy being the greatest factor among them.

AIM OF THE STUDY

1. To know occurrence of head and neck malignancies in the local population

2. To create an awareness among the local population, local administrators and health authorities about the burden of the disease in our society

3. To create a coordinated documented work among the specialities dealing with these cancers

4. To strengthen our view regarding age, gender, topographical and histological presentations of these cancers

REVIEW OF LITERATURE

Head and neck cancers account for approximately 20% of the cancer burden in India. The common age group seen for all malignancies was 60-70 yrs for males and 50-60 yrs for females. Head and Neck malignancies were commoner in males with the male:female ratio of 3.1:1, found to be statistically significant by the chi-square ($\chi 2$) test. The crude rate and age standardized incidence rate was 0.05 and 0.06 per 100,000 population respectively. Squamous cell carcinoma (SCC) constitutes around 96% of all cases.

A retrospective study on Head and Neck malignancies involving sites like oral cavity, oropharynx, larynx, pharynx, nasal cavity, oesophagus was conducted from 1993 -2004 in the Departmentof Otolaryngology, Silchar Medical College and Hospital. In this study histologically confirmed cases were taken into consideration.

2052 cases of malignancies from all parts of the body spreading over 11 years were studied. Out of this, 1118 cases were Head and Neck Malignancies. According to Studies done, the HNCA prevalence with respect to totalbody malignancies was from 9.8% to 42.7%. In the study done, the prevalence was 54.48%. Such high prevalenceindicate several predisposing factors pertaining to the particular region.

Oropharyngeal carcinoma were common head and neck malignancies comprising of 320 cases (28.62%) followed by oesophageal and oral cavity cancers which were 217 cases which is about 19.4% and 182 cases forming 16.2% respectively. Ear carcinomas were the least common comprising of 0 .43% of HNCA. Tongue malignancies constitute about 32.6% in oral and oropharyngeal regions. Cheek and tonsillar carcinomas formed more than 20% of malignancies in oral cavity and about 5% of all malignancies.

Age and gender distribution

Sixth decade comprised the commonest age group of 348 cases (31.1%). Age group 40-49 years comprised of 22.8% and 60 -69 years about 18%. 1% or less cases were below age of 20. Males were commonthan females among genders comprising of 833 males to 285 females, ratio being (2.9:1). Oropharyngeal cancer was found to be commoner among males(n=253), oesophageal cancer was Commoner among females (n=76). This male: female ratio was higher than inother studies ranging (1.5:1 to 2.1:1). 75% of oropharyngeal and oral cavity cases were seen in males, tongue (n=133) was the commonly involved sub site, 35.2% intonsil and cheek.The male predominance can be attributed to the fact that males are more exposed to habit of smoking and tobacco chewing, and also to the fact oftheir awareness and accessibility

to health facilities. Cheek , tongue andpalate were the commonest sites in females.

Histopathological pattern

Commonesthistological type in HNCA is Squamous cell carcinoma (SCC) constituting93.29% casesfollowed by verrucous carcinoma (1.52%)in other studies, values ranged from 88.1% to 95.5%. SCC is the commonesttype in laryngeal (100%) and hypo pharyngeal (99%). In the oral cavity verrucous carcinomaformed only 1.5% of cases. One case each of Basal cell ca, Sarcomatoid carcinoma, Myxoidchondrosarcoma, and Plasmacytoma and four cases each of Ameloblastoma and Giant cell reparative granuloma were seen.

About 70% cases of cervical lymph node metastases were found to be SCC and more than 10% cases were found to beHodgkin's and Non-Hodgkin's Lymphoma.

Pattern of malignancies at various sites

Oropharyngeal cancers constitute15.56% of all malignancies and 28.6% of Head and Neck cancers. Commonest affected were the males forming about 12.3% with male: female ratio of 3.8:1. S. Thakur et al (2001), study showed oropharyngeal cancer to be third commonest accounting for 7.3% of all malignancies and 16.9% of HNCA, Male: female=3.4:1, histological Type commonly seen is SCC(97.5%)

Oesophageal cancer happened to be second commonest forming about 10.5% out of all malignancies and 19.4% of Head and neck cancerswith the Male: female= 1.8:1

Oral cavity is the third commonestconstituting 8.8% of all malignancies and 16.2% of head and neck cancers with male: female = 2.14:1.85.1% of the carcinoma were SCC whereas S. Thakur et al (2001) and Manjari et al (1996) found it to be 93.3% . Common site in the oral cavity was found to be Tongue- 32.6%. Singh et al reported it to be 49.1% Age group was found to be from 41-60 yrs.

Hypo pharyngeal carcinoma was found to be fourth commonest forming 7.7% of all malignancies and 14.13% of HNCA withmale: female ratio of 4.45:1 .Other workers have reported itSCC is the commonest histological type 99.37. reported by S.Thakur in2001, (97.8%). age group between 30-79 years of age,

Laryngeal carcinoma is reported to be fifth common of HNCA, it forms about 11.8% out of all malignancies with the male: female ratio of 4.5:1. Other studies have reported it to be 1.4-12.1% out of all malignancies with male: female ratio of 3.3:1

Gangadharan et al in 1997 and Jussawalla et al in 1984 correlated the Prevalence of laryngeal carcinoma with the smoking habits. The

common age group encountered was between 41-60 yrs as observed by Iwamoto in1972 andS.Thakur in1993

Nose and PNS

Found to be the sixth commoner malignancies in Head and Neck region which formed the 1.7% of all malignancies with male to female ratio of 3.38:1. Squamous cell carcinoma is the common histological finding . three cases of Basal cell carcinoma were also reported

Ear and Nasopharynx were found to be the least affected sites , the malignancies occurring in these regions constitutes about 1.8%of Head and Neck malignancies and <1% out of all malignancies.

In females, for all sites together no change was observed in age adjusted incidence rates for Mumbai, Chennai, Bhopal, Bangalore and Barshi registries while a decreasing trend was noted for Delhi registries over a period of time.

Global Scenario for Head and Neck Cancers:

Over the last few decades there have 30 been reports suggesting an increase in incidence among young adults (Johnson 1991; Levi 1994) Davis and Severson (Davis 1987) were among the first who pointed out an increasing incidence of tongue cancer in young adults.

Nose and paranasal sinuses malignancies constitute 0.2% of all malignancies and 3% of Head and Neck region.20-60% arise in maxillary sinus , 20-30% arise in nasal cavity, 10-15% in the ethmoid sinus and 1% in sphenoid sinus and frontal sinus.

Nasopharyngeal carcinoma has multiple etilogy and distinct distribution between different races and differing geography. It constitutes about 0.6% of all malignancies. According to WHO there is high incidence of this malignancy among Chinese, southeast Asians, North Africans. Commonly seen in 40-60 yrs age group, declining around 70 yrs, males affected more than females.

Laryngeal malignancies show predominance in urban areas when compared to rural areas. 86% affected are men. 10/100000 pa in men whereas it is <1/100000 in women except in India it is upto1/100000 due to the fact that tobacco gets to be chewed more than smoked. The common subsites affected are the supraglottis and glottis.Supraglottic cancers are common in France, Spain, Italy, Finland and Netherlands. Glottic cancers are common in Sweden, England, Canada, United States. In Japan, SCC seen in both subsites equally.Laryngeal cancers along with hypo pharyngeal cancers occur in 60-70yrs.

In the oral cavity and oropharynx, SCC account to more than 90% of malignancies.Men are affected more commonly than women. Globally they account for 5% of all cancers in men and 2% in women.High

occurrence is seen in France, North Italy, Central and Eastern Europe.In recent years, there is an increased incidence among younger males.

Salivary gland malignancies account for 6% of Head and Neck Cancers a and 0.3% of all malignancies.Annual incidence globally varied from 0.4 to 2.6 per 100000 population. Frequency of mucoepidermoid carcinomas among the British was about 2.1% whereas worldwide it was 5-15%.Among the salivary glands Parotid appeared to be the most commonly affected accounting for 64-80%, 7-11% occurred in submandibular glands, 0.1% occurred in sublingual glands, 9-23% occurred in minor salivary glands.Tumors in Retromolar areas, tongue and floor of mouth are frequently malignant. Females are affected more than males.

The incidence of Ameloblastic carcinoma among all odontogenic tumours was found to be 6.7%. 2/3 rd of Ameloblastic cancers occurred in mandible., especially in the posterior segments of jaw.Males and Females were found to be equally affected.

Tumours in the ear occurs mostly in external ear.Tumours occurring in ceruminous glands were rare. Malignanttumours occur equally in men and women with the mean age of 49 yrs.

Thyroid cancer is most widely spread endocrine cancer contributing to 1.0% - 1.5% of all new cancers every year in the USA. Its

incidence has been continuously increased in the past 30 years through the world. This behaviour is seen in every continent except Africa, where detection is remotely possible. Annual Percent Change in the USA was 2.4% from1980 to 1997and 6.6% from 1997 to 2009 (both genders). Recent studies indicate, thyroid cancer is the 5thmost common cancer in women. It is the 2ndfrequent cancer in women below 45 years in Italy. Thyroid cancer has decreased only in very few countries like Norway and Sweden.

Thyroid cancer is observed very less in blacks, with the most rate of papillary thyroid cancer acceleration occurring in black females.

Male Female percentage change across ethnic groups in the table below

Ethnic Group	**Percentage Change**	
	Male	**Female**
Whites	6.3	7.1
Black	4.3	8.4
Hispanic	4.2	6.7
Asian/Pacific Islander	3.4	6.4

In India, thyroid cancers constitute about 0.1% - 0.2% of all

cancers. It is about 1.99% among males and 5.71% among females according to Thiruvanthapuram hospital registry. As per the Mumbai cancer registry, age adjusted incident rates of Thyroid cancer per 1 Lakh, 1.0 for males and 1.8 for females. The histological type were studied among 1185 new cases of Thyroid cancer. Papillary carcinoma was found to be the most common histological pattern followed by follicular carcinoma.

ANATOMY –HEAD AND NECK

ANATOMICAL SITES OF LIP AND ORAL CAVITY

LIP

- Upper lip, vermilion surface
- Lower lip,vermilion surface
- Commissures

ORAL CAVITY

- Buccal mucosa

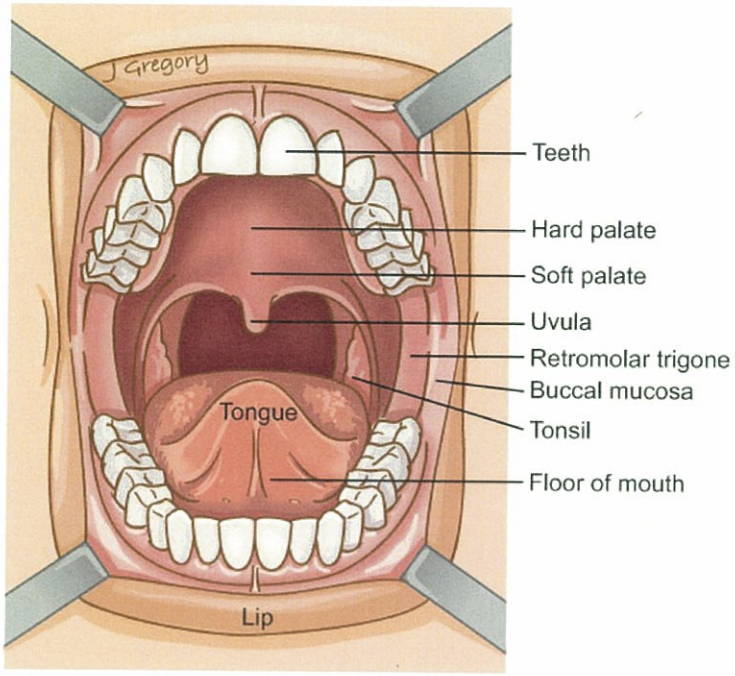
  -mucosal surfaces of upper and lower lips

  -mucosal surface of cheek

  -retromolar areas

  -buccoalveolar sulci
- Upper alveolus and gingiva
- Lower alveolus and gingiva
- Hard palate
- Tongue

  -dorsal surface and lateral borders anterior to vallate papillae(anterior two-thirds)
- Floor of mouth

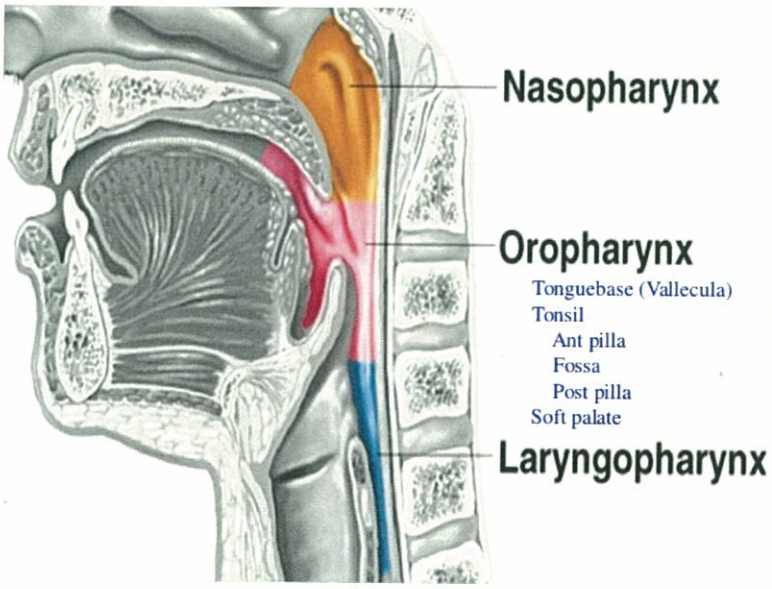


Epithelium of lip: non-keratinizing stratified squamous epithelium

Epithelium of oral cavity: non-keratinizing squamous epithelium

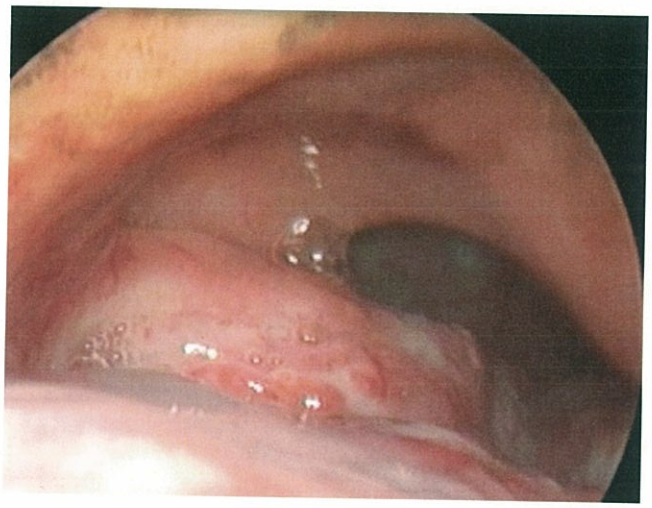
NASOPHARYNX:

- From the body of the sphenoid
- To the soft palate
- Bounded laterally by Eustachian
- Tube and fossa of Rossenmuller



OROPHARYNX

- Lateral wall
- Tongue base
- Soft palate
- Posterior wall



Epithelium of oropharynx: non-keratinizing stratified squamous epithelium

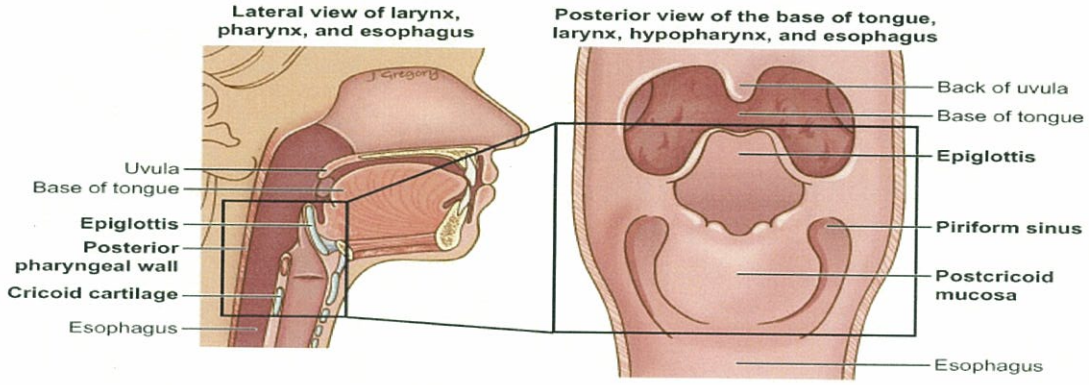
HYPOPHARYNX

- Pyriform sinus- from pharyngoepiglottic fold to upper end of oesophagus

  Laterally by thyroid cartilage, medially by ary Epiglottic fold, Arytenoids, cricoid cartilage

- Post cricoids area- from level of arytenoids to lower border of cricoid

- Posterior pharyngeal wall- from superior level of hyoid to inferior border of cricoid



Epithelium of hypopharynx: non-keartinizing squamous epithelium

LARYNX

- Supraglottis
  - Suprahyoid epiglottis

    (including tip, lingual and laryngeal surfaces)

  -arepiglottic fold, laryngeal aspect

  -arytenoid

  -infrahyoid epiglottis

  -ventricular bands (false cords)

- **Glottis**
  - Vocal cords
  - Anterior commissure
  - Posterior commissure

- Subglottis-

Epithelium of Larynx:

Upper 1/3 rd Epiglottis- squamous epithelium

Lower 2/3 rd Epiglottis,

False vocal cord - ciliated columnar epithelium

True vocal cord - squamous epithelium

Subglottis -ciliated columnar

NOSE AND PARANASAL SINUSES:

NOSE: formed by septum and lateral wall

Septum: membranous, cartilaginous and bony parts

INTERNAL NOSE:

Vestibule- anterior and inferior part of nasal cavity, upper limit by Limen nasi

Nasal cavity proper –

Lateral wall of nose

Inferior Turbinate – Nasolacrimal duct opens into inferior

Meatus guarded by Hasner's valve

Middle Turbinate -ethmoturbinal part

Anterior group drains into middleMeatusSuperior Turbinate- posterior

ethmoidal cells open into it

Medial wall- septum

Roof- formed by cribriform plate of ethmoid

through which Olfactory nerves enter

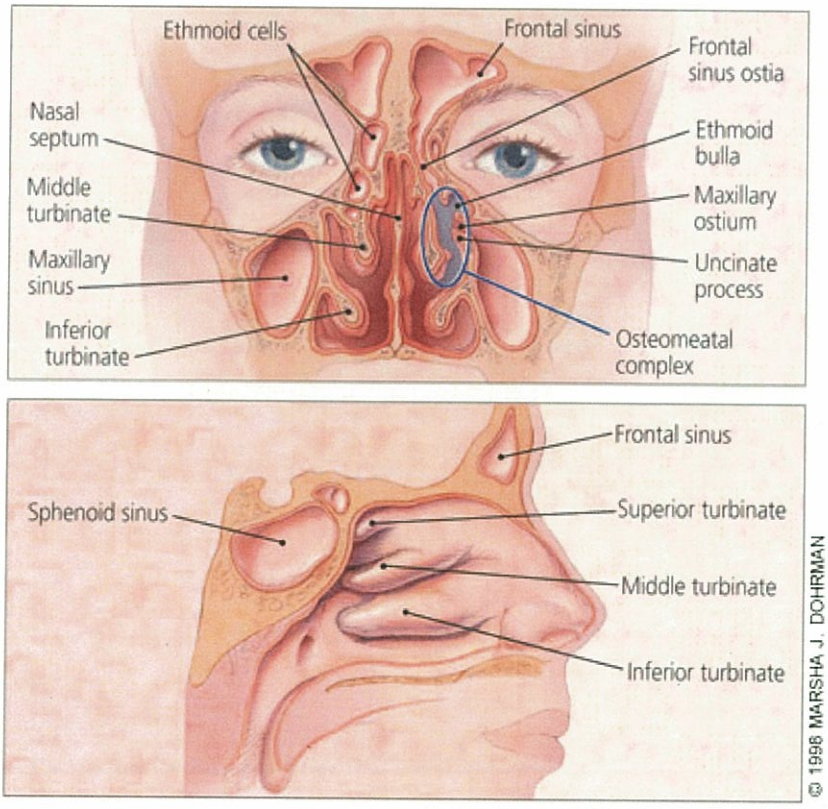
LINING MEMBRANE:

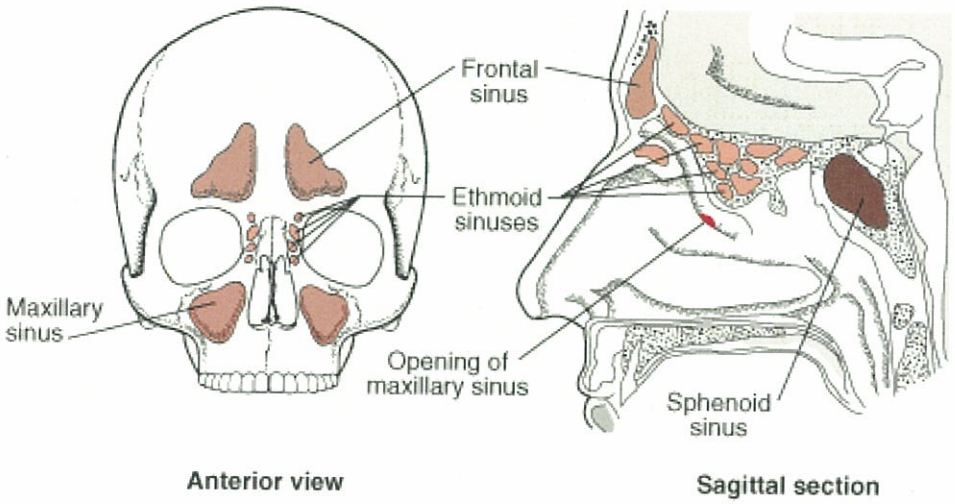
Vestibule- skin with hair follicles

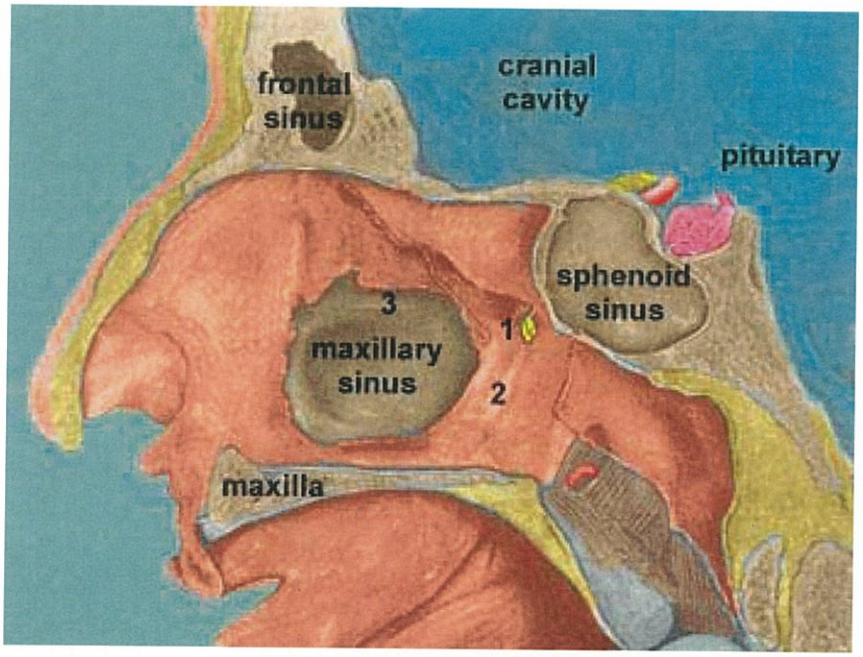
Olfactory region- upper third of lateral wall,corresponding septum

Roof of nasal cavity

Respiratory region: lower two thirdslined by pseudostratified columnar epithelium







Conjunctiva:

The conjunctiva is a transparent mucous membrane that covers the inner surface of the eyelids and the surface of the eye.

Lacrimal Gland:

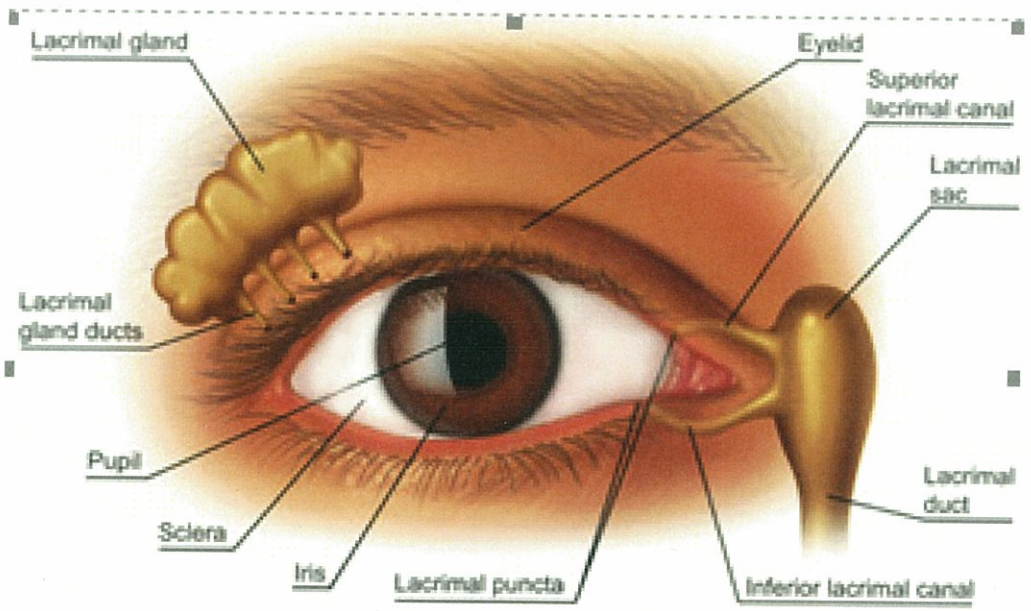
The lacrimal gland produces tears that lubricate the eye. It is located under the lateral edge of the eyebrow in the orbit.

Tenon's Capsule:

Tenon's capsule is a layer of tissue that lies between the surface of the eye and the conjunctiva.

Sclera:

The sclera is the white outer wall of the eye. It covers nearly the entire surface of the eyeball. It is a strong layer made of collagen fibres. The tendons of the six extra ocular muscles attach to the sclera.



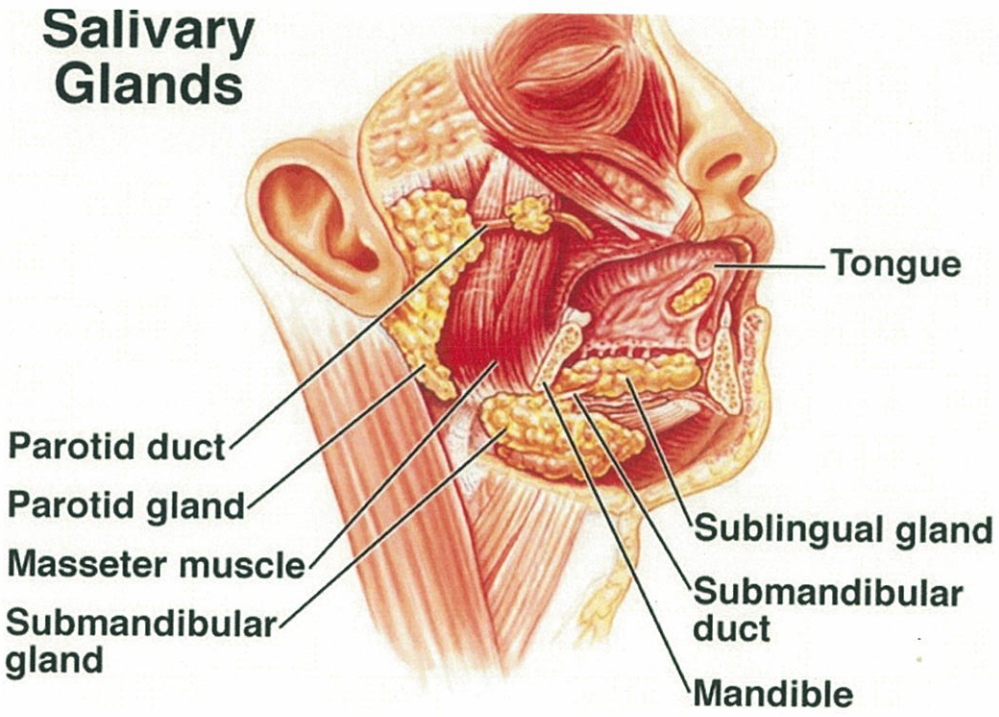
SALIVARY GLANDS

The parotid is the largest salivary gland, averaging 5.8 cm in the craniocaudal dimension, and 3.4 cm in the ventral-dorsal dimension. it weighs about 14.28 g. It is wedge shaped with irregular surface and unilobular. The Parotid consists of 3 superficial and 2 deep processes. the Prestyloid Compartment in the parapharyngeal space contains deep lobe and pushes the Carotid sheath laterally. Nerve sheath tumours occupy the post styloid compartment.

Stensen's duct from the Parotid arises from the anterior border of the Parotid and parallels the Zygomatic arch, 1.5 cm (approximately 1 finger breadth) . Stensen's duct runs superficial to the masseter muscle, then turns medially 90 degrees to pierce the Buccinator muscle at the level of the second maxillary molar where it opens onto the oral cavity. Using surface landmarks, Stensen's

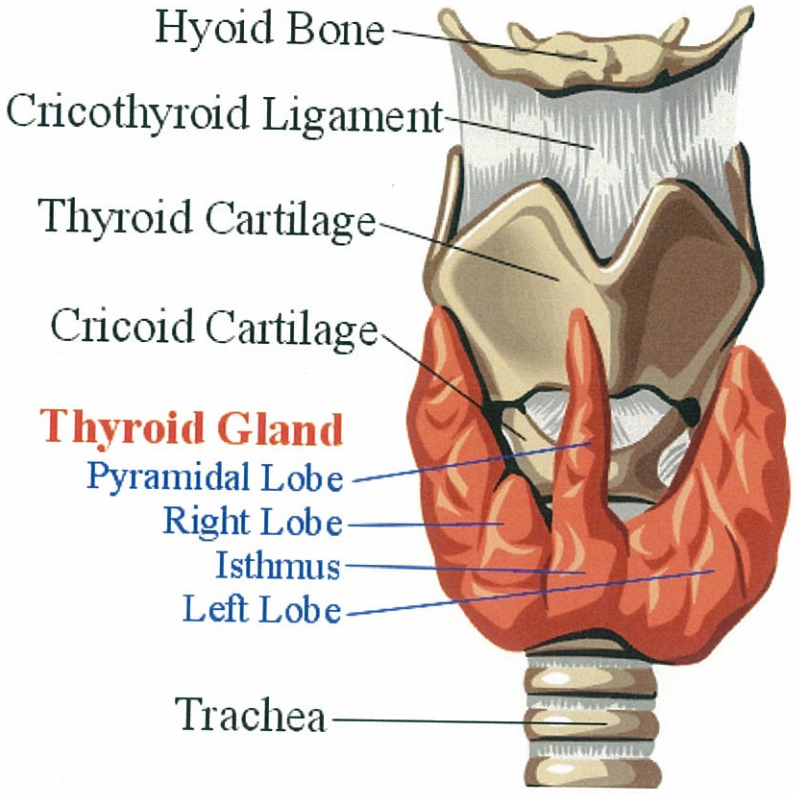
The Submandibular gland weighs ½ the weight of the Parotid. It is often referred to as the Submaxillary gland because of the tendency of British anatomists to refer to the mandible as the 'submaxilla'. This gland lies in the submandibular triangle formed by the anterior and posterior bellies of the Digastric muscle and the inferior margin of the mandible. The gland is positioned medial and inferior to the mandibular ramus partly

The Submandibular duct (Wharton's duct) exits the medial surface of the gland and runs between the Mylohyoid (lateral) and Hyoglossus muscles and on to the Genioglossus muscle. Wharton's duct empties into the intraoral cavity latera

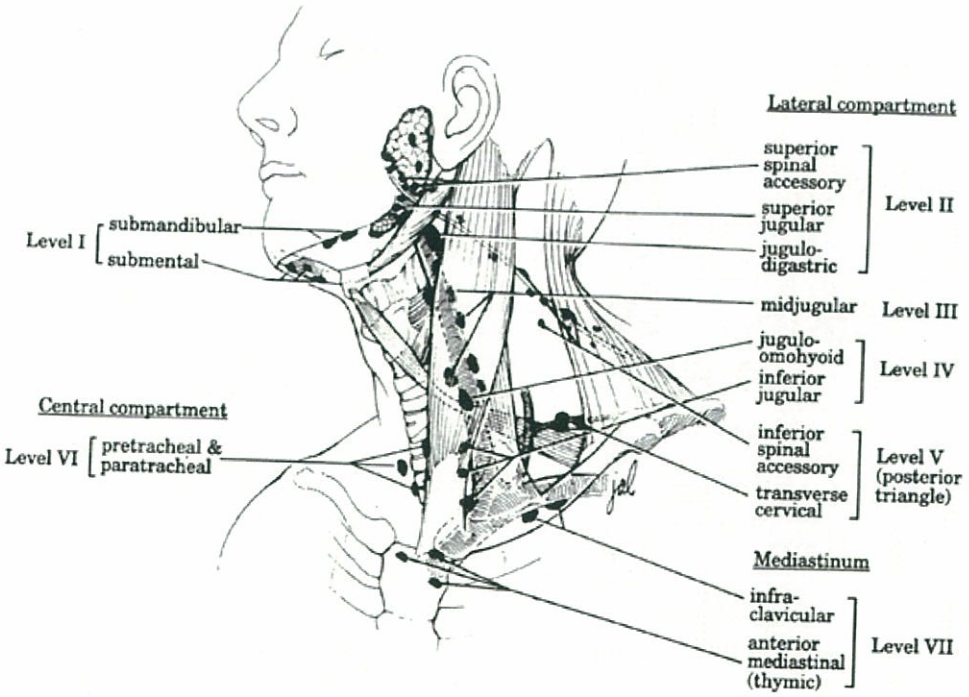


Thyroid:

The thyroid gland is a butterfly shaped organ which is highly vascularized . it is located in the neck anteriorly; extends from the 5th cervical vertebra (C5) to the 1st thoracic (T1) vertebrae lyingdeep to the platysma, sternothyroid and sternohyoid muscles. Thyroid consists of right and left lobes connected by a median isthmus overlying the 2nd to 4th tracheal rings forming an "H" or "U" shape.


Hyoid Bone
Cricothyroid Ligament
Thyroid Cartilage
Cricoid Cartilage
Thyroid Gland
Pyramidal Lobe
Right Lobe
Isthmus
Left Lobe
Trachea

NECK NODES:


Lateral compartment
superior spinal accessory
superior jugular
jugulo-digastric
Level II
midjugular
Level III
jugulo-omohyoid
inferior jugular
Level IV
inferior spinal accessory
transverse cervical
Level V (posterior triangle)
Mediastinum
infra-clavicular
anterior mediastinal (thymic)
Level VII
Level I
submandibular
submental
Central compartment
Level VI
pretracheal & paratracheal

LEVEL I:(submandibular and submental groups)

- Submental group of nodes
- Bounded by anterior belly of digastrics and hyoid bone
- Submandibular group of nodes
- Bounded by posterior belly of digastric and mandible

LEVEL II:(upper jugular groups)

-located around upper third of internal jugular vein

-contains junctional and jugulodigastric nodes

LEVEL III: (middle jugular group)

-located around middle third of internal jugular vein

-extending from carotid bifurcation to upper border of cricoid

-contains jugulo-omohyoid nodes and some jugulodigastric nodes

LEVEL IV: (lower jugular group)

- Located around lower third of internal jugular vein
- Extends from cricoids cartilage to clavicle
- Contains some jugulo-omohyoid nodes

LEVEL V: (posterior triangle group)

-located around lower half of spinal accessory nerve

And transverse cervical artery

- Bounded by anterior border of trapezius and posterior border

  Of sternocleidomastoid
- Contains supraclavicular nodes

LEVEL VI: (anterior compartment group)

-extends from hyoid to suprasternal notch

-bounded by medial border of sternomastoid

- contains parathyroid, paratracheal,pretracheal, perilaryngeal, Precricoid nodes

LEVEL VII:

- Nodes in upper mediastinum

DRAINAGE SITES FOR THE NECK NODES:

LEVEL I: Oral cavity, nose , paranasal sinus, face, submandibular gland

LEVEL II: oral cavity, oropharynx, nasopharynx, hypopharynx, supraglottic larynx

LEVEL III: thyroid, larynx, hypopharynx, cervical oesophagus

LEVEL IV: thyroid , breast, lungs, intraabdominal organs

LEVEL V: nasopharynx, thyroid, oesophagus, lung, breast

LEVEL VI: thyroid, hypopharynx,larynx

LEVEL VII: oral cavity, hypopharynx

INCIDENCE PF MALIGNANCIES IN VARIOUS SITES OF HEAD AND NECK:

LIP:

Most common site of cancer in the mouth

93% occur in lower lip

Male : female= 80:1(upper lip)

Male: female=5:1 (lower lip)

ORAL CAVITY:

Retromolar - 2%

Buccal mucosa -10%

Tongue -35%

Floor of mouth -30%

Lower alveolus -15%

Upper alveolus -5%

Hardpalate -3%

HYPOPHARYNX:

Pyriform sinus -50%

Post cricoid - 40%

Posterior pharyngeal wall-10%

LARYNX:

Supraglottis -35%

Glottis -60%

Subglottis -5%

THYROID:

Malignancy in a solitary nodule-10%

More common in females

SALIVARY GLANDS:

3% of Head and Neck malignancies

Male:female = 1:1

TYPES OF MALIGNANCIES IN HEAD AND NECK REGION:

SQUAMOUS CELL CARCINOMA:

Constitutes about 90% of malignancies

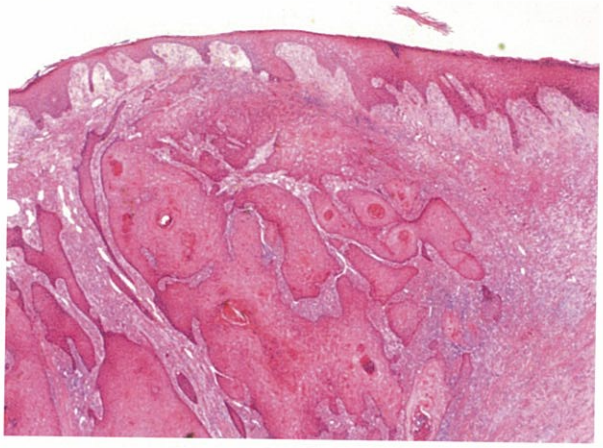
Definition (WHO) : An invasive epithelial neoplasm with varying degree of squamous differentiation and a propensity to early and extensive lymph node metastasis occurring predominantly in alcohol and tobacco using adults in the 5 th and 6 th decades of life.

Squamous differentiation often seen as keratination with variable pearl formation and invasive growth are the prerequisite features of squamous cell carcinoma. Invasion is manifested by the disruption of basement membrane and extension in to the underlined tissue, often accompanied by stromal reaction.

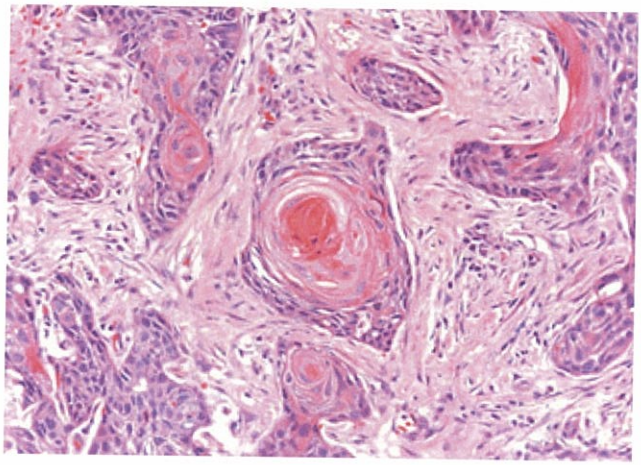
The tumours are traditionally graded in to well, moderately poorly differentiated SCC well differentiated SCC resembles closely normal squamous epithelium. Moderately differentiated SCC contains distinct nuclear pleomorphic and mitotic activity including abnormal mitosis and less keratinisation. In poorly differentiated SCC,immature cells predominate with numerous typical and atypical mitoses and minimal keratinisation.

Although keratinisation is more likely to be present in well or moderately differentiated SCC, it should not be considered as an important histological criterion in grading SCC. Most SCC are moderately differentiated, so grading by differentiation is of limited prognostic value as compared to pattern of invasion. Pattern of invasion refers to the manner in which the cancer infiltrates tissue at tumour host interface. It is intuitive that neoplasia infiltrating in a widely dispersed manner in the form of non cohesive irregular jagged small cords is more aggressive than that growing in a bulky pushing fashion.

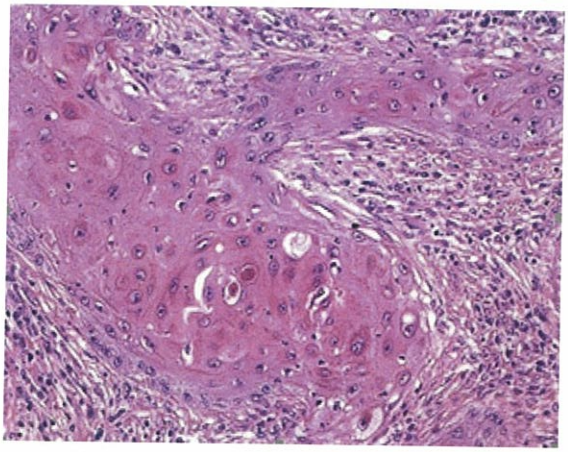
Squamous Cell Carcinoma



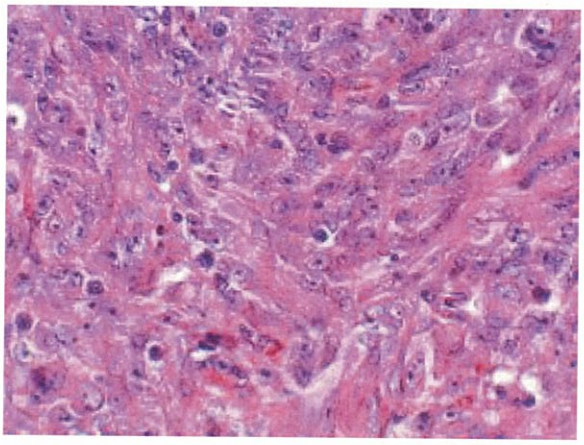
Well Differentiated SCC



Moderately differentiated SCC



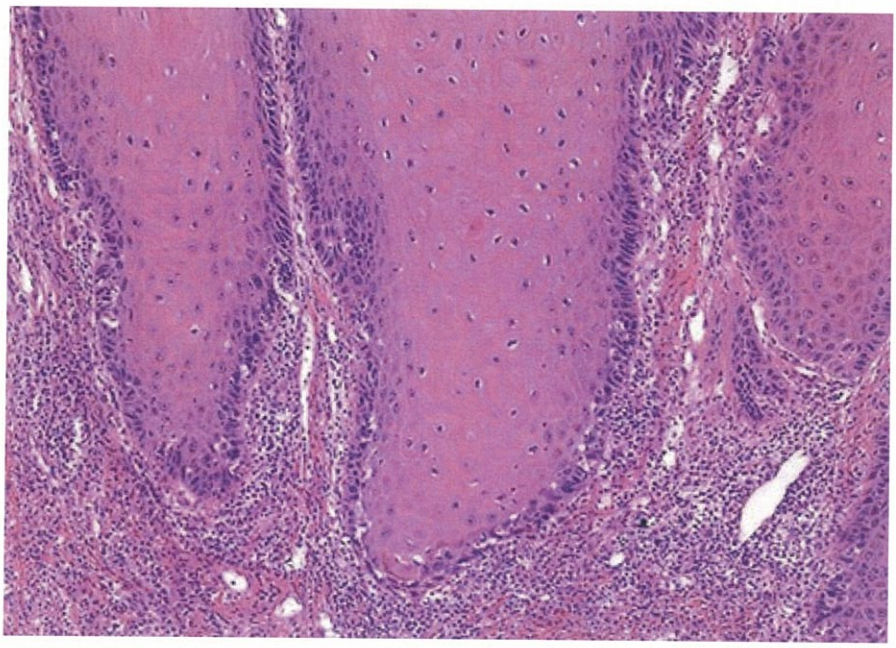
Poorly differentiated SCC



Verrucous Carcinoma

Verrucous Carcinoma variant of Squamous cell carcinoma, is well differentiated histologically. It presents clinically in an indolent manner with an excellent prognosis .the common sites of occurrence of verrucous carcinoma are the oral cavity and larynx.Macroscopicallyit is an exophytic growth with cauliflower like appearance, with whitish to gray cleft or wart with erythemoatus areas. The tumour is locally invasive. Microscopy reveals well differentiated squamous epithelium with no significant cytological typia along with deep bulbous rete ridges. Para keratin or orthokeratin fills the surface invaginations. Local connective tissue destruction with pushing border is characteristic of this malignancy.

VERRUCOUS CARCINOMA



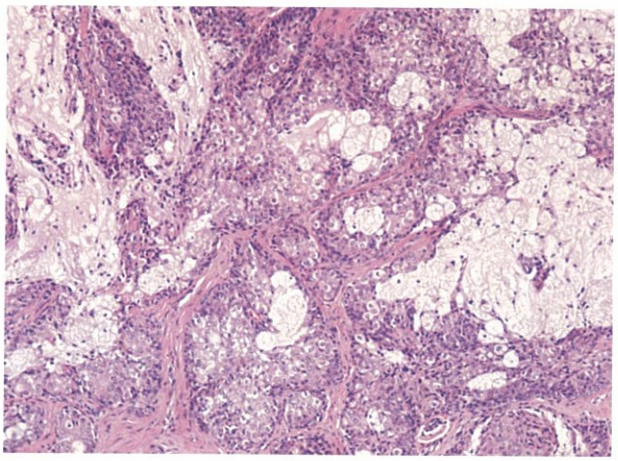
Basaloid SCC, another variant of SCC occurs commonly in base of tongue,oropharynx, epiglottis, hypopharynx, larynx. Macroscopically is an exophytic mass with surface ulceration. Microscopically the appearance has the patterns like cord-like, tubular, lobular, glandular or nesting patterns. At the periphery of the lobules the nuclei are pallisaded with hyperchromatic nuclei and scant cytoplasm.

As per the WHO classification, the other subtypes of SCC are the spindlecell carcinoma, papillary SCC, adenoaquamous carcinoma, acantholytic SCC and carcinoma cuniculatum.

Mucoepidermoid carcinoma(MEC) is the common type of malignancy in the salivary glands even though the salivary glands remain to be the least common of malignancy sites. Predilection for males is

more.It presents as a single mass with enlarging nature which is painful. 80% of them seen in Parotid. Hard palate and retromolar trigone are the areas of minor salivary gland malignancies.

MUCOEPIDERMOID CARCINOMA



Malignancies in salivary glands: Parotid - ~15% Submandibular - ~37%Sublingual - ~86%Minor Salivary - ~46%

Pathology Contains: Epidermoid cells

Mucus-producing cells

"Intermediate" Cells

form sheets/clusters

Modified myoepithelial cells

Forms multicystic spaces with solid components

Keratinisation rare

Cervical lymph node metastases of squamous cell carcinoma from occult primary constitute about 2-5% of all patients with carcinoma of unknown primary site (CUP). Metastases in the upper and middle neck are generally attributed to head and neck cancers, whereas the lower neck (supraclavicular area) involvement is often associated with primary malignancies below the clavicles.

METHODOLOGY

Histological reports with relevant given clinical details of the patients diagnosed as having head and neck malignancy from the period of 2004 – 2014 was studied from Govt Kilpauk Medical College and Govt Royapettah Hospital. The annual incidence of head and neck malignancy was studied during that period. Age distribution was also taken into consideration. Gender distribution along with comparison between male and female distribution was also done. Topographical involvement with sites and given relevant subsites were taken into study. The histological diagnosis along with differentiation if given was also studied. Using these data, a correlation was done between the clinical details of age, sex regarding to the topographical site and histological diagnosis was derived. The involvement of topographical site and histological diagnosis was also derived using the above said data. These data were analysed with respect to the data already done in previous studies.

ANNUAL FREQUENCIES OF ENT MALIGNANCIES

Year	Frequency
2004	59
2005	69
2006	70
2007	66
2008	92
2009	123
2010	143
2011	124
2012	122
2013	127
2014	143
TOTAL	**1138**

AGE DISTRIBUTION

Year	0 – 20 yrs	%	21 – 40 yrs	%	41 – 60 yrs	%	61 yrs & above	%
2004	1	1.6	10	16.9	30	50.8	18	30.5
2005	2	2.8	13	18.8	30	43.4	24	34.7
2006	1	1.4	12	17.1	39	55.7	18	25.7
2007	2	3	18	27.2	26	39.3	20	30.3
2008	1	1	10	10.8	57	61.9	24	26
2009	2	1.6	17	13.7	65	52.4	40	32.2
2010	2	1.39	23	16	71	49.6	47	32.8
2011	2	1.6	30	24.1	54	43.5	38	30.6
2012	1	0.8	10	8.1	85	69.6	26	21.3
2013	1	0.7	25	19.6	61	48	40	31.4
2014	3	2	26	18.1	77	53.8	37	25.8
AVERAGE	**1.6**		**17.3**		**51.6**		**29.2**	

SEX DISTRIBUTION

Year	Male	%	Female	%
2004	38	64.4	21	35.5
2005	47	68.1	22	31.8
2006	45	64.2	25	35.7
2007	43	65.1	23	34.8
2008	61	66.3	31	33.6
2009	88	70.9	36	29
2010	92	64.3	51	35.6
2011	89	71.7	35	28.2
2012	98	79.5	24	20.4
2013	84	66.1	43	33.8
2014	101	70.6	42	29.3
AVERAGE	**68.2 %**		**31.6%**	

TOPOGRAPHIC DISTRIBUTION OF MALIGNANCIES (2004-2014)

S. NO	SITE	SUBSITE	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
1	LIP		3	0	1	0	2	4	8	4	1	2	3	2.4
2	ORAL CAVITY		8	11	9	10	21	24	56	65	18	45	84	30.8
		TONGUE	3	2	3	3	9	9	14	23	9	20	25	
		BUCCAL MUCOSA	3	3	4	4	4	3	7	32	3	14	43	
		HARD PALATE	-						1	4	2		4	
		RETROMOLAR TRIGONE	-					1	2	1		1	8	
		ALVEOLUS	-					2	6	3	1	2		
		GINGIVA	-						1			1		
		FLOOR OF MOUTH	-								1	1	3	
3	OROPHARYNX		17	22	22	12	25	37	11	11	38	20	14	20.1
		TONSIL	4	3	4	3	5	8	2	4	4	4	4	
		POSTERIOR 1/3 RD OF TONGUE	4	4	7	3		9		1	2	6		
		VALLECULA	-			1			1	2	1	2	2	
		PHARYNGOEPIGLOTTIC FOLD	-		1		1							
		SOFT PALATE	-			1					1	1	3	
		EPIGLOTTIS	-				1					1		
4	HYPOPHARYNX		6	9	11	13	10	19	18	14	22	19	10	13.2
		PYRIFORM FOSSA	2	4	4	7	7	8	6	6	6	8	3	
		POST CRICOID REGION	1	1	2	4	1	4	5	1		2		
		POST PHARYNGEAL WALL	-		3	1		1	1	1	2	1		
5	LARYNX		6	4	8	11	6	15	15	5	17	11	9	9.4
		SUPRAGLOTTIS	1	1	3	1	2	11	4	3	1	1	4	
		GLOTTIS	4	2	3	8	4	3	3	2	5	4	2	
		SUBGLOTTIS	-						1		1		1	
6	NECK NODE		3	7	1	2	3	3	6	3	2	2	1	2.8
7	NASOPHARYNX		2	1	4	3	2	3	3	2	1	2	1	2.1
8	THYROID		8	11	11	10	12	10	12	13	9	17	10	10.8
9	NOSE/PNS		1	1	1	0	1	2	1	0	2		2	0.9
10	EYE		1	0	0	0	0	1	1	2	3		2	0.8
11	SCALP		2	0	0	1	1	1	0	1	0			0.5
12	SALIVARY GLAND		1	1	1	1	7	0	2	1	4	2	4	2.1
		PAROTID			1		3		2	1	2	1	4	
		SUBMANDIBULAR					4				2	1		
		SUBLINGUAL												
13	FACE		1	0	0	0	0	1	0	2	2	0	2	0.7
14	OESOPHAGUS		0	2	0	0	0	3	6	1	1	6	3	1.9
15	MAXILLA		0	0	1	1	2	0	2	0	1	1	0	0.7
16	EAR		0	0	0	2	0	1	1	0	1	0	0	0.4

HISTOLOGICAL DISTRIBUTION OF MALIGNANCIES (2004-2014)

S. NO	HISTOLOGY		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
1	SQUAMOUS CELL CARCINOMA		43	53	54	50	65	106	119	103	101	107	123	81.2
		WELL DIFFERENTIATED	21	22	33	21	31	49	57	43	17	47	41	
		MODERATELY DIFFERENTIATED	19	23	13	27	28	40	44	41	56	43	55	
		POORLY DIFFERENTIATED	1	6	6	2	3	14	2	8	20	10	7	
		NON KERATINIZING	1		1		3	3	12	9	6	5	17	
		HYPERPLASTIC SCC		1							1			
		BASALOID SCC			1									
		VERRUCOUS CA	1	1					4	2	1	2	3	
2	BASAL CELL CARCINOMA		2	1				2	1	2	4			1
3	ADENOCARCINOMA		2	1		2	1	1		1			1	0.7
4	ADENOID CYSTIC CA		1		1		1				1		1	0.4
5	ADENOSQUAMOUS CA		1		1									0.2
6	LYMPHOEPITHELIOMA		1		1					1	1			0.4
7	PAPILLARY CA		8	9	11	7	11	9	12	12	8	15	8	9.7
8	NON HODGKINS LYMPHOMA		1	1		2	1		4	1	1	1	1	1.1
9	MUCOEPIDERMOID CA			1		1	5		4	1	3	1	2	1.5
10	MEDULLARY CA			2		2				1	1		1	0.6
11	SECONDARIES NECK			1		1	3						1	0.4
12	HODGKINS LYMPHOMA				1						1			o.2
13	ONCOCYTIC NEOPLASM				1									0.08
14	FOLLICULAR CA					1	1	1		1		2	1	0.6
15	PERIPHERAL NEUROECTODERMAL TUMOR						1						1	0.2
16	PAPILLARY SQUAMOUS TRANSITIONAL CELL CA						1							0.08

S. NO	HISTOLOGY		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
18	PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION						1							0.08
19	ANAPLASTIC CA							1						0.08
20	MALIGNANT MELANOMA							2	1					0.3
21	SMALL ROUND CELL TUMOUR							1	1				1	0.3
22	AMELOBLASTIC CA								1					0.08
23	MEIBOMIAN CA										1	1		0.2
24	ACINIC CELL CA											1		0.08
25	MYOEPITHELIAL CA												1	0.08
26	OSTEOSARCOMA									1			1	0.2

HISTOLOGY (MALE)	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
SQUAMOUS CELL CARCINOMA	31	41	43	40	51	82	86	82	81	78	90	76.3
WELL DIFFERENTIATED	14	18	23	15	25	35	40	35	15	29	28	72.5
MODERATELY DIFFERENTIATED	14	19	13	24	21	37	35	35	48	36	47	84.6
POORLY DIFFERENTIATED	1	2	5	1	3	8		5	18	9	5	78.1
NON KERATINIZING	1				2	2	9	5	6	4	7	64.3
HYPERPLASTIC SCC		1							1			100
BASALOID SCC			1									100
VERRUCOUS CA	1	1	1				2	2	1		3	78.6
BASAL CELL CARCINOMA		1				1			3			41.4
ADENOCARCINOMA				1		1		1			1	44.4
ADENOID CYSTIC CA	1											20
ADENOSQUAMOUS CA	1											50
LYMPHOEPITHELIOMA	1							1	1			75
PAPILLARY CA	3	3	1		2	1	2	2	1	3	3	19.1
NON HODGKINS LYMPHOMA	1	1		2			1	1	1		1	61.5
MUCOEPIDERMOID CA		1			4		3	1	1	1	2	72.2
MEDULLARY CA												
SECONDARIES NECK					2						1	50
HODGKINS LYMPHOMA												
ONCOCYTIC NEOPLASM			1									100
FOLLICULAR CA										1		14.3
MALIGNANT ADNEXAL TUMOR												

HISTOLOGY (MALE)	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
PERIPHERAL NEUROECTODERMAL TUMOR					1							50
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA					1							100
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												
ANAPLASTIC CA												
MALIGNANT MELANOMA						1						33.3
SMALL ROUND CELL TUMOUR						1					1	66.7
AMELOBLASTIC CA												
MEIBOMIAN CA									1			50
ACINIC CELL CA										1		100
MYOEPITHELIAL CA											1	100

HISTOLOGY Vs GENDER													
S.NO	**HISTOLOGY (FEMALE)**	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
1	SQUAMOUS CELL CARCINOMA	12	12	11	10	14	24	33	21	12	29	33	23
	WELL DIFFERENTIATED	7	4	10	6	6	14	17	8	2	18	13	27
	MODERATELY DIFFERENTIATED	5	4	0	3	7	3	9	6	8	7	8	15
	POORLY DIFFERENTIATED		4	1	1	0	6	2	3	2	1	2	30
	NON KERATINIZING					1	1	3	4		1	10	36
	HYPERPLASTIC SCC												
	BASALOID SCC												
	VERRUCOUS CA							2			2		29
2	BASAL CELL CARCINOMA	2					1	1	2	1			58
3	ADENOCARCINOMA	2	1		1	1							56
4	ADENOID CYSTIC CA			1		1				1		1	80
5	ADENOSQUAMOUS CA			1									50
6	LYMPHOEPITHELIOMA			1									25
7	PAPILLARY CA	5	6	10	7	9	8	10	10	7	12	5	81
8	NON HODGKINS LYMPHOMA					1		3			1		38
9	MUCOEPIDERMOID CA				1	1		1		2			28

10	MEDULLARY CA		2		2				1	1		1	100
11	SECONDARIES NECK		1		1	1							50
12	HODGKINS LYMPHOMA			1						1			100
13	ONCOCYTIC NEOPLASM												
14	FOLLICULAR CA				1	1	1		1		1	1	86
15	MALIGNANT ADNEXAL TUMOR					1							100
16	PERIPHERAL NEUROECTODERMAL TUMOR											1	50
17	PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												
18	PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION					1							100
19	ANAPLASTIC CA						1						100
20	MALIGNANT MELANOMA						1	1					67
21	SMALL ROUND CELL TUMOUR							1					33
22	AMELOBLASTIC CA							1					100
23	MEIBOMIAN CA												
24	ACINIC CELL CA												
25	MYOEPITHELIAL CA												
26	OSTEOSARCOMA												

TOPOGRAPHY AMONG GENDER –MALE													
S.NO	SITE	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
1	LIP	2	0	1			2	4	4	1	1	2	60.7
2	ORAL CAVITY	5	9	4	7	13	14	39	47	15	25	59	67.5
	TONGUE												
	BUCCAL MUCOSA												
	HARD PALATE												
	RETROMOLAR TRIGONE												
	ALVEOLUS												
	GINGIVA												
	FLOOR OF MOUTH												
3	OROPHARYNX	15	20	20	12	25	34	11	11	36	17	12	93
	TONSIL												
	POSTERIOR 1/3 RD OF TONGUE												
	VALLECULA												
	PHARYNGOEPIGLOTTIC FOLD												
	SOFT PALATE												
	EPIGLOTTIS												
4	HYPOPHARYNX	2	6	9	9	8	16	13	14	15	17	7	76.8
	PYRIFORM FOSSA												
	POST CRICOID REGION												
	POST PHARYNGEAL WALL												
5	LARYNX	6	4	8	10	3	15	12	5	17	11	8	90.9
	SUPRAGLOTTIS												
	GLOTTIS												
	SUBGLOTTIS												
6	NECK NODE	2	3		1	2	2	3	3	1	1	1	57.6

7	NASOPHARYNX	1		1	1	2	1	3	1	1		1	50
8	THYROID	3	3	1	0	10	1	2	1	1	4	3	23.6
9	NOSE/PNS	2	2			2				2			72.7
10	EYE									2		1	30
11	SCALP	1			1		1						42.9
12	SALIVARY GLAND		1	1		4		1	1	1	2	3	58.4
	PAROTID												
	SUBMANDIBULAR												
	SUBLINGUAL												
13	FACE						1		1	2		2	75
14	OESOPHAGUS		1				2	3	1	1	6	2	72.7
15	MAXILLA				1	1		1		1			50
16	EAR				1		1			1			60

TOPOGRAPHY AMONG GENDER –FEMALE													
S.NO	SITE	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
1	LIP	1	0			2	2	4	0		1	1	39.2
2	ORAL CAVITY	3	2	5	3	8	10	17	18	3	20	25	32.4
	TONGUE												
	BUCCAL MUCOSA												
	HARD PALATE												
	RETROMOLAR TRIGONE												
	ALVEOLUS												
	GINGIVA												
	FLOOR OF MOUTH												
3	OROPHARYNX	2	2	2	0	0	3	0	0	2	3	2	6.9
	TONSIL												
	POSTERIOR 1/3 RD OF TONGUE												
	VALLECULA												
	PHARYNGOEPIGLOTTIC FOLD												
	SOFT PALATE												
	EPIGLOTTIS												
4	HYPOPHARYNX	4	3	2	4	2	3	6	0	7	2	3	23.8
	PYRIFORM FOSSA												
	POST CRICOID REGION												
	POST PHARYNGEAL WALL												
5	LARYNX				1	3	2	3		0	0	1	9.1
	SUPRAGLOTTIS												
	GLOTTIS												
	SUBGLOTTIS												
6	NECK NODE	1	4	1	1	1	1	3	0	1	1	0	42.4

7	NASOPHARYNX	1	1	3	2	0	2		1		2	0	50
8	THYROID	5	8	10	10	2	9	9	12	8	13	7	75.6
9	NOSE/PNS			1			2						27.2
10	EYE	1					1	1	2	1	0	1	70
11	SCALP	1				1		1	1				57.1
12	SALIVARY GLAND	1	1		1	3		1		3			41.6
	PAROTID												
	SUBMANDIBULAR												
	SUBLINGUAL												
13	FACE	1							1				25
14	OESOPHAGUS		1				1	3			0	1	27.2
15	MAXILLA			1		1		1			1	0	50
16	EAR				1			1					40

HISTOLOGY Vs AGE (0-20 YRS)													
S.NO	HISTOLOGY	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
1	SQUAMOUS CELL CARCINOMA	0	0								1	1	0.2
	WELL DIFFERENTIATED	0	0									1	0.3
	MODERATELY DIFFERENTIATED	0											0
	POORLY DIFFERENTIATED	0									1		1.4
	NON KERATINIZING	0											
	HYPERPLASTIC SCC												
	BASALOID SCC												
	VERRUCOUS CA	0											
2	BASAL CELL CARCINOMA	0											
3	ADENOCARCINOMA	0					1						11.1
4	ADENOID CYSTIC CA	0											
5	ADENOSQUAMOUS CA												
6	LYMPHOEPITHELIOMA												
7	PAPILLARY CA	1	2	1	1	1	1		1	1			8.2
8	NON HODGKINS LYMPHOMA	0			1			1					15.4
9	MUCOEPIDERMOID CA							1					5.6
10	MEDULLARY CA												
11	SECONDARIES NECK												
12	HODGKINS LYMPHOMA												
13	ONCOCYTIC NEOPLASM												
14	FOLLICULAR CA												
15	MALIGNANT ADNEXAL TUMOR												
16	PERIPHERAL NEUROECTODERMAL TUMOR												

17	PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												
18	PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												
19	ANAPLASTIC CA												
20	MALIGNANT MELANOMA												
21	SMALL ROUND CELL TUMOUR											1	33.3
22	AMELOBLASTIC CA												
23	MEIBOMIAN CA												
24	ACINIC CELL CA												
25	MYOEPITHELIAL CA												
26	OSTEOSARCOMA								1			1	100

HISTOLOGY Vs AGE (21-40 YRS)													
S.NO	HISTOLOGY	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
1	SQUAMOUS CELL CARCINOMA	6	7	6	11	6	8	14	25	6	13	21	13.3
	WELL DIFFERENTIATED	3	4	3	7	3	5	7	10	2	7	7	15.2
	MODERATELY DIFFERENTIATED	3	1	1	4	3	2	5	9	3	4	11	11.8
	POORLY DIFFERENTIATED	0	1	2			1		2	1	1	1	12.3
	NON KERATINIZING	0						1	4		1	2	14.3
	HYPERPLASTIC SCC		1										50
	BASALOID SCC												
	VERRUCOUS CA	0						1					7.1
2	BASAL CELL CARCINOMA	0							1				8.3
3	ADENOCARCINOMA	0											
4	ADENOID CYSTIC CA	0				1				1			40
5	ADENOSQUAMOUS CA												
6	LYMPHOEPITHELIOMA			1					1				50
7	PAPILLARY CA	4	3	5	4	3	7	6	3	1	9	3	43.6
8	NON HODGKINS LYMPHOMA	0	1								1	1	23.1
9	MUCOEPIDERMOID CA				1			2		1			22.2
10	MEDULLARY CA		2		1					1			57.1
11	SECONDARIES NECK				1								16.7
12	HODGKINS LYMPHOMA												
13	ONCOCYTIC NEOPLASM												
14	FOLLICULAR CA						1				1	1	42.9
15	MALIGNANT ADNEXAL TUMOR												

16	PERIPHERAL NEUROECTODERMAL TUMOR												
17	PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												
18	PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												
19	ANAPLASTIC CA						1						100
20	MALIGNANT MELANOMA												
21	SMALL ROUND CELL TUMOUR							1					33.3
22	AMELOBLASTIC CA												
23	MEIBOMIAN CA												
24	ACINIC CELL CA										1		100
25	MYOEPITHELIAL CA												
26	OSTEOSARCOMA												

HISTOLOGY Vs AGE (41-60 YRS)													
S.NO	HISTOLOGY	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
1	SQUAMOUS CELL CARCINOMA	23	24	32	21	41	62	66	43	73	56	67	55
	WELL DIFFERENTIATED	13	9	18	7	19	28	33	18	13	32	17	54.2
	MODERATELY DIFFERENTIATED	7	11	9	13	17	26	23	15	40	16	31	53.5
	POORLY DIFFERENTIATED	1	3	2	1	2	5		5	15	4	6	60.3
	NON KERATINIZING	1				3	3	7	3	3	3	10	59
	HYPERPLASTIC SCC									1			50
	BASALOID SCC			1									100
	VERRUCOUS CA	1	1	1				3	2	1	1	3	93
2	BASAL CELL CARCINOMA	1					1			2			33.3
3	ADENOCARCINOMA	1			1	1			1			1	55.6
4	ADENOID CYSTIC CA	0		1								1	40
5	ADENOSQUAMOUS CA												
6	LYMPHOEPITHELIOMA	1											25
7	PAPILLARY CA	3	4	5	2	6	1	2	7	6	3	5	40
8	NON HODGKINS LYMPHOMA	1						1	1	1			30.8
9	MUCOEPIDERMOID CA		1			3				1	1	1	38.9
10	MEDULLARY CA								1			1	28.6
11	SECONDARIES NECK		1			2						1	66.7
12	HODGKINS LYMPHOMA			1						1			100
13	ONCOCYTIC NEOPLASM												
14	FOLLICULAR CA				1	1			1		1		57.1
15	MALIGNANT ADNEXAL TUMOR												
16	PERIPHERAL NEUROECTODERMAL TUMOR					1							50

17	PAPILLARY SQUAMOUS TRANSITIONAL CELL CA					1							100
18	PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION					1							100
19	ANAPLASTIC CA												
20	MALIGNANT MELANOMA												
21	SMALL ROUND CELL TUMOUR						1						33.3
22	AMELOBLASTIC CA												
23	MEIBOMIAN CA									1			50
24	ACINIC CELL CA												
25	MYOEPITHELIAL CA												
26	OSTEOSARCOMA												

HISTOLOGY Vs AGE (>61 YRS)													
S.NO	HISTOLOGY	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	%
1	SQUAMOUS CELL CARCINOMA	14	22	16	18	18	36	39	35	22	37	34	29.6
	WELL DIFFERENTIATED	5	9	11	7	9	16	17	15	2	8	16	30.1
	MODERATELY DIFFERENTIATED	9	11	3	10	8	12	16	17	13	23	13	34.8
	POORLY DIFFERENTIATED	0	2	2	1	1	8	2	1	4	4		34.2
	NON KERATINIZING	0						4	2	3	1	5	26.8
	HYPERPLASTIC SCC												
	BASALOID SCC												
	VERRUCOUS CA	0									1		7.1
2	BASAL CELL CARCINOMA		1				1	1	1	2			50
3	ADENOCARCINOMA	1	1		1								33.3
4	ADENOID CYSTIC CA	1											20
5	ADENOSQUAMOUS CA	1		1									100
6	LYMPHOEPITHELIOMA									1			25
7	PAPILLARY CA					1		4	1		3		8.1
8	NON HODGKINS LYMPHOMA	0				1		2					23.1
9	MUCOEPIDERMOID CA					2		1	1	1		1	33.3
10	MEDULLARY CA				1								14.2
11	SECONDARIES NECK					1							16.7
12	HODGKINS LYMPHOMA												
13	ONCOCYTIC NEOPLASM			1									100
14	FOLLICULAR CA												
15	MALIGNANT ADNEXAL TUMOR					1							100
16	PERIPHERAL NEUROECTODERMAL TUMOR											1	50

17	PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												
18	PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												
19	ANAPLASTIC CA												
20	MALIGNANT MELANOMA						2	1					100
21	SMALL ROUND CELL TUMOUR												
22	AMELOBLASTIC CA							1					100
23	MEIBOMIAN CA												
24	ACINIC CELL CA												
25	MYOEPITHELIAL CA											1	100
26	OSTEOSARCOMA												

Topography	EAR												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA				1		1	1		1			4	80
BASAL CELL CARCINOMA												0	
ADENOCARCINOMA												0	
ADENOID CYSTIC CA												0	
ADENOSQUAMOUS CA												0	
LYMPHOEPITHELIOMA												0	
PAPILLARY CA												0	
NON HODGKINS LYMPHOMA												0	
MUCOEPIDERMOID CA				1								1	20
MEDULLARY CA												0	
SECONDARIES NECK												0	
HODGKINS LYMPHOMA												0	
ONCOCYTIC NEOPLASM												0	
FOLLICULAR CA												0	
MALIGNANT ADNEXAL TUMOR												0	
PERIPHERAL NEUROECTODERMAL TUMOR												0	
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	
ANAPLASTIC CA												0	
MALIGNANT MELANOMA												0	
SMALL ROUND CELL TUMOUR												0	
AMELOBLASTIC CA												0	
MEIBOMIAN CA												0	
ACINIC CELL CA												0	
MYOEPITHELIAL CA												0	
OSTEOSARCOMA												0	

Topography	HYPOPHARYNX												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA	5	9	11	13	10	17	19	14	22	19	10	149	98.7
BASAL CELL CARCINOMA												0	0
ADENOCARCINOMA												0	0
ADENOID CYSTIC CA												0	0
ADENOSQUAMOUS CA	1											1	0.66
LYMPHOEPITHELIOMA												0	0
PAPILLARY CA												0	0
NON HODGKINS LYMPHOMA												0	0
MUCOEPIDERMOID CA												0	0
MEDULLARY CA												0	0
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA												0	0
SMALL ROUND CELL TUMOUR						1						1	0.66
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

Topography	LARYNX												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	total	%
SQUAMOUS CELL CA	6	4	8	9	6	15	15	5	17	11	9	105	98.1
BASAL CELL CARCINOMA												0	0
ADENOCARCINOMA				1								1	0.93
ADENOID CYSTIC CA												0	0
ADENOSQUAMOUS CA												0	0
LYMPHOEPITHELIOMA												0	0
PAPILLARY CA												0	0
NON HODGKINS LYMPHOMA				1								1	0.93
MUCOEPIDERMOID CA												0	0
MEDULLARY CA												0	0
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA												0	0
SMALL ROUND CELL TUMOUR												0	0
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

Topography	LIP												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA	3		1		2	4	7	3	1	1	2	24	85.7
BASAL CELL CARCINOMA												0	0
ADENOCARCINOMA								1			1	2	7.14
ADENOID CYSTIC CA												0	0
ADENOSQUAMOUS CA												0	0
LYMPHOEPITHELIOMA												0	0
PAPILLARY CA												0	0
NON HODGKINS LYMPHOMA												0	0
MUCOEPIDERMOID CA							1			1		2	7.14
MEDULLARY CA												0	0
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA												0	0
SMALL ROUND CELL TUMOUR												0	0
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

Topography	MAXILLA												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA			1	1			1		1	1		5	62.5
BASAL CELL CARCINOMA												0	0
ADENOCARCINOMA												0	0
ADENOID CYSTIC CA					1							1	12.5
ADENOSQUAMOUS CA												0	0
LYMPHOEPITHELIOMA												0	0
PAPILLARY CA												0	0
NON HODGKINS LYMPHOMA							1					1	12.5
MUCOEPIDERMOID CA												0	0
MEDULLARY CA												0	0
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA					1							1	12.5
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA												0	0
SMALL ROUND CELL TUMOUR												0	0
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

Topography	NASOPHARYNX												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA	1	1	3	3	2	3	3	1		2	1	20	83.3
BASAL CELL CARCINOMA												0	0
ADENOCARCINOMA												0	0
ADENOID CYSTIC CA			1									1	4.17
ADENOSQUAMOUS CA												0	0
LYMPHOEPITHELIOMA	1							1	1			3	12.5
PAPILLARY CA												0	0
NON HODGKINS LYMPHOMA												0	0
MUCOEPIDERMOID CA												0	0
MEDULLARY CA												0	0
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA												0	0
SMALL ROUND CELL TUMOUR												0	0
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

Topography	NECK NODE												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	total	%
SQUAMOUS CELL CA		5				1	3	1		1		11	33.3
BASAL CELL CARCINOMA												0	0
ADENOCARCINOMA	1					1						2	6.06
ADENOID CYSTIC CA	1											1	3.03
ADENOSQUAMOUS CA												0	0
LYMPHOEPITHELIOMA												0	0
PAPILLARY CA						1		1				2	6.06
NON HODGKINS LYMPHOMA	1	1		1			3	1	1	1		9	27.3
MUCOEPIDERMOID CA												0	0
MEDULLARY CA												0	0
SECONDARIES NECK		1		1	3						1	6	18.2
HODGKINS LYMPHOMA			1						1			2	6.06
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA												0	0
SMALL ROUND CELL TUMOUR												0	0
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

Topography	NOSE/PNS												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA	1	1				1			2			5	55.6
BASAL CELL CARCINOMA												0	0
ADENOCARCINOMA												0	0
ADENOID CYSTIC CA												0	0
ADENOSQUAMOUS CA												0	0
LYMPHOEPITHELIOMA			1									1	11.1
PAPILLARY CA												0	0
NON HODGKINS LYMPHOMA												0	0
MUCOEPIDERMOID CA												0	0
MEDULLARY CA												0	0
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR					1							1	11.1
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA						1	1					2	22.2
SMALL ROUND CELL TUMOUR												0	0
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

Topography	OESOPHAGUS												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA		2				3	6	1	1	6	3	22	100
BASAL CELL CARCINOMA												0	
ADENOCARCINOMA												0	
ADENOID CYSTIC CA												0	
ADENOSQUAMOUS CA												0	
LYMPHOEPITHELIOMA												0	
PAPILLARY CA												0	
NON HODGKINS LYMPHOMA												0	
MUCOEPIDERMOID CA												0	
MEDULLARY CA												0	
SECONDARIES NECK												0	
HODGKINS LYMPHOMA												0	
ONCOCYTIC NEOPLASM												0	
FOLLICULAR CA												0	
MALIGNANT ADNEXAL TUMOR												0	
PERIPHERAL NEUROECTODERMAL TUMOR												0	
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	
ANAPLASTIC CA												0	
MALIGNANT MELANOMA												0	
SMALL ROUND CELL TUMOUR												0	
AMELOBLASTIC CA												0	
MEIBOMIAN CA												0	
ACINIC CELL CA												0	
MYOEPITHELIAL CA												0	
OSTEOSARCOMA												0	

Topography	ORAL CAVITY												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA	8	10	9	10	20	24	53	65	18	45	84	346	98.6
BASAL CELL CARCINOMA		1										1	0.28
ADENOCARCINOMA												0	0
ADENOID CYSTIC CA												0	0
ADENOSQUAMOUS CA												0	0
LYMPHOEPITHELIOMA												0	0
PAPILLARY CA												0	0
NON HODGKINS LYMPHOMA					1							1	0.28
MUCOEPIDERMOID CA							1					1	0.28
MEDULLARY CA												0	0
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA												0	0
SMALL ROUND CELL TUMOUR							1					1	0.28
AMELOBLASTIC CA							1					1	0.28
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

Topography	OROPHARYNX												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	total	%
SQUAMOUS CELL CA	17	21	21	12	25	37	11	11	38	20	14	227	99.1
BASAL CELL CARCINOMA												0	0
ADENOCARCINOMA												0	0
ADENOID CYSTIC CA												0	0
ADENOSQUAMOUS CA			1									1	0.44
LYMPHOEPITHELIOMA												0	0
PAPILLARY CA												0	0
NON HODGKINS LYMPHOMA												0	0
MUCOEPIDERMOID CA		1										1	0.44
MEDULLARY CA												0	0
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA												0	0
SMALL ROUND CELL TUMOUR												0	0
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

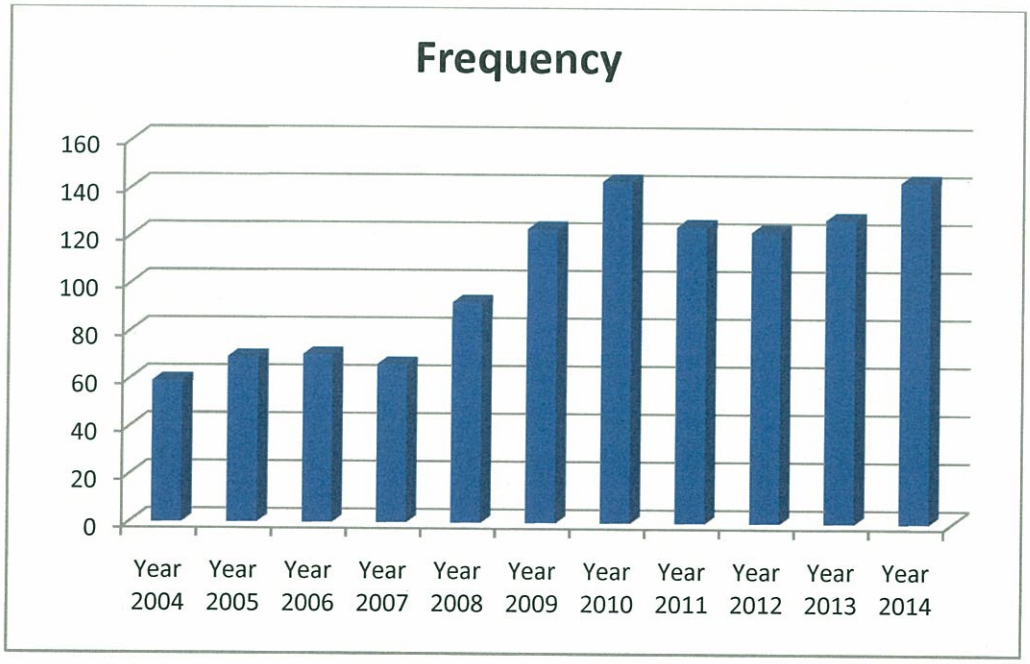
Topography	SALIVARY GLAND												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA										1		1	4.17
BASAL CELL CARCINOMA					1							1	4.17
ADENOCARCINOMA	1	1		1						1		4	16.7
ADENOID CYSTIC CA									1		1	2	8.33
ADENOSQUAMOUS CA												0	0
LYMPHOEPITHELIOMA												0	0
PAPILLARY CA												0	0
NON HODGKINS LYMPHOMA												0	0
MUCOEPIDERMOID CA					5		2	1	3		2	13	54.2
MEDULLARY CA												0	0
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM			1									1	4.17
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION					1							1	4.17
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA												0	0
SMALL ROUND CELL TUMOUR												0	0
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA											1	1	4.17
OSTEOSARCOMA												0	0

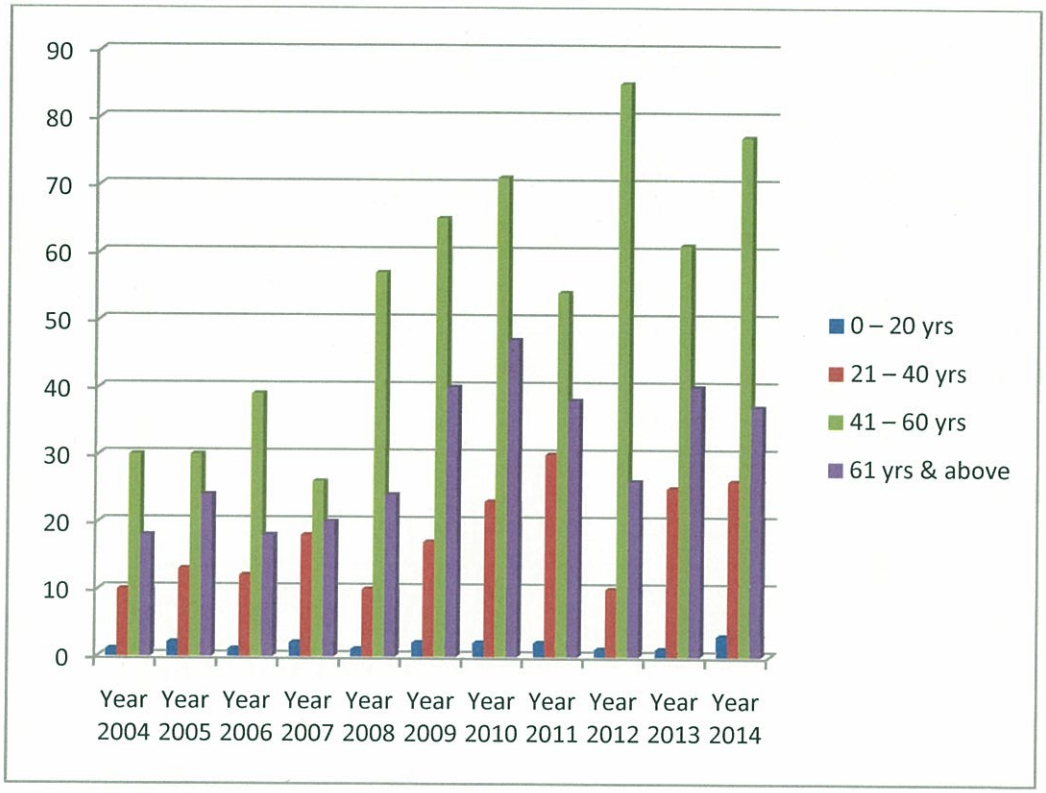
Topography	SCALP												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA	2			1								3	50
BASAL CELL CARCINOMA								1				1	16.7
ADENOCARCINOMA												0	0
ADENOID CYSTIC CA												0	0
ADENOSQUAMOUS CA												0	0
LYMPHOEPITHELIOMA												0	0
PAPILLARY CA												0	0
NON HODGKINS LYMPHOMA												0	0
MUCOEPIDERMOID CA												0	0
MEDULLARY CA												0	0
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA												0	0
MALIGNANT ADNEXAL TUMOR					1							1	16.7
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA												0	0
MALIGNANT MELANOMA						1						1	16.7
SMALL ROUND CELL TUMOUR												0	0
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

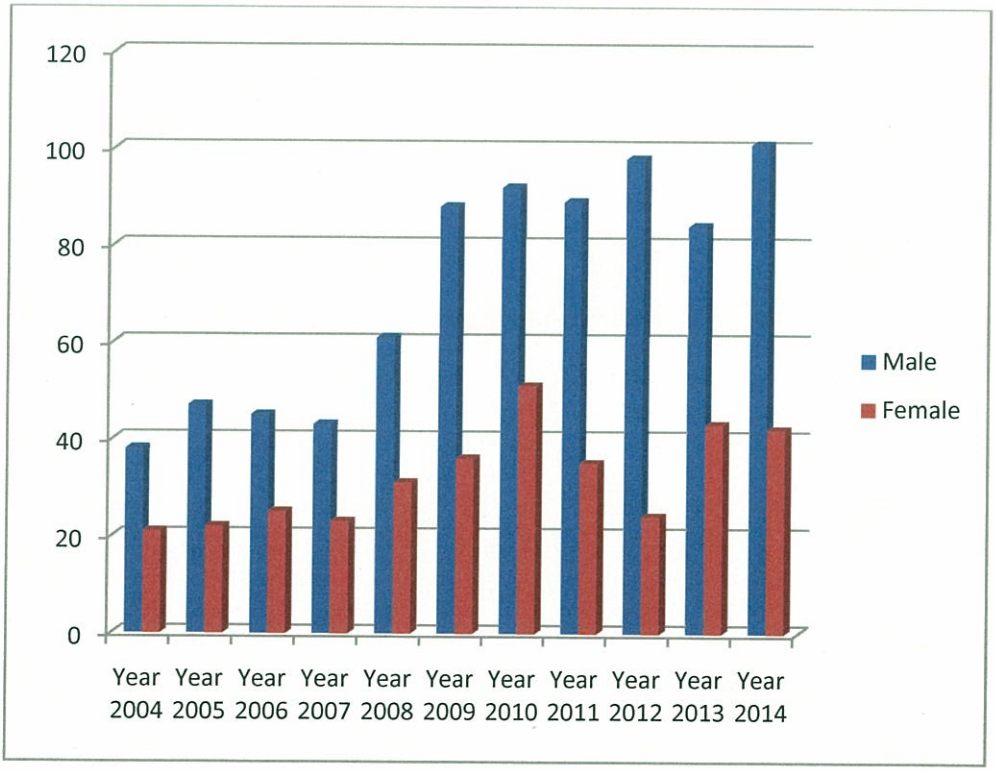
Topography	THYROID												
Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total	%
SQUAMOUS CELL CA												0	0
BASAL CELL CARCINOMA												0	0
ADENOCARCINOMA												0	0
ADENOID CYSTIC CA												0	0
ADENOSQUAMOUS CA												0	0
LYMPHOEPITHELIOMA												0	0
PAPILLARY CA	8	9	11	7	11	8	12	11	8	15	8	108	87.8
NON HODGKINS LYMPHOMA												0	0
MUCOEPIDERMOID CA												0	0
MEDULLARY CA		2		2				1	1		1	7	5.69
SECONDARIES NECK												0	0
HODGKINS LYMPHOMA												0	0
ONCOCYTIC NEOPLASM												0	0
FOLLICULAR CA				1	1	1		1		2	1	7	5.69
MALIGNANT ADNEXAL TUMOR												0	0
PERIPHERAL NEUROECTODERMAL TUMOR												0	0
PAPILLARY SQUAMOUS TRANSITIONAL CELL CA												0	0
PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION												0	0
ANAPLASTIC CA						1						1	0.81
MALIGNANT MELANOMA												0	0
SMALL ROUND CELL TUMOUR												0	0
AMELOBLASTIC CA												0	0
MEIBOMIAN CA												0	0
ACINIC CELL CA												0	0
MYOEPITHELIAL CA												0	0
OSTEOSARCOMA												0	0

ANNUAL FREQUENCIES OF ENT MALIGNANCIES

Year	Frequency
2004	59
2005	69
2006	70
2007	66
2008	92
2009	123
2010	143
2011	124
2012	122
2013	127
2014	143
TOTAL	**1138**




90
80
70
60
50
40
30
20
10
0
Year 2004
Year 2005
Year 2006
Year 2007
Year 2008
Year 2009
Year 2010
Year 2011
Year 2012
Year 2013
Year 2014
0 – 20 yrs
21 – 40 yrs
41 – 60 yrs
61 yrs & above


120
100
80
60
40
20
0
Year 2004
Year 2005
Year 2006
Year 2007
Year 2008
Year 2009
Year 2010
Year 2011
Year 2012
Year 2013
Year 2014
Male
Female

DISCUSSION

In our study, the annual frequency of head and neck malignancy from 2009 – 2014.

Age distribution :

In our study, less than 20 years constituted about 1.6 %, 21 – 40 yrs constituted about 17.3%. 41 – 60 yrs constituted about 51.6 % and more than 60 yrs constituted about 29.2 %

Age group	World	India	Present study in KMC
Age – less than 20	6.5%	26.9%	1.6%
Age – 20 – 40	7.4%	31.5%	17.3%
Age – 40 – 60	29.8%	27.7%	51.6%
Age – more than 60	56.1%	14.6%	29.2%
Male	60%	58.9%	68.2%
Female	39.8%	41.1%	31.6%

The incidents of malignancies below 20 years in the age distribution is very less when compared to the worldwide and other Indian studies. This may be due to the fact that our institution not being a

referral centre for paediatric cases. To know the exact incidents in less than 20 age group, the study needs to be extended to paediatric referral centres also.

The gender distribution correlates with that of other studies made in India and world wide.

Sex Distribution

Year	Male	%	Female	%
2004	38	64.4	21	35.5
2005	47	68.1	22	31.8
2006	45	64.2	25	35.7
2007	43	65.1	23	34.8
2008	61	66.3	31	33.6
2009	88	70.9	36	29
2010	92	64.3	51	**35.6**
2011	89	71.7	35	**28.2**
2012	98	79.5	24	**20.4**
2013	84	66.1	43	**33.8**
2014	101	70.6	42	**29.3**
AVERAGE	**68.2 %**		**31.6%**	

Year	0 – 20 yrs	%	21 – 40 yrs	%	41 – 60 yrs	%	61 yrs & above	%
2004	1	1.6	10	16.9	30	50.8	18	30.5
2005	2	2.8	13	18.8	30	43.4	24	34.7
2006	1	1.4	12	17.1	39	55.7	18	25.7
2007	2	3	18	27.2	26	39.3	20	30.3
2008	1	1	10	10.8	57	61.9	24	26
2009	2	1.6	17	13.7	65	52.4	40	32.2
2010	2	1.39	23	16	71	49.6	47	32.8
2011	2	1.6	30	**24.1**	54	43.5	38	30.6
2012	1	0.8	10	**8.1**	85	69.6	26	21.3
2013	1	0.7	25	**19.6**	61	48	40	31.4
2014	3	2	26	**18.1**	77	53.8	37	25.8
AVERAGE	**1.6**		**17.3**		**51.6**		**29.2**	

The sex distribution when analysed indicates the below that is in concordance with the report given by the other studies.

1. **A relative fall in incidence of malignancies amongst females over the past 5 years**
2. **An increase in malignancies in the percentage of younger men**

Topographical distribution of malignancies

Lip	2.4%
Oral cavity	30.8%
OroPharynx	20.1%
Hypopharynx	13.2%
Larynx	9.4%
Neck node	2.8%
Nasopharynx	2.1%
Thyroid	10.8%
Nose/PNS	0.9%
Eye	0.8%
Scalp	0.5%
Salivary gland	2.1%
Face	0.7%
Oesophagus	1.9%
Maxilla	0.7%
Ear	0.4%

In our study, the oral malignancies (oral cavity and oropharynx) constitutes the majority of malignancies in head and neck forming about 50.9% followed by hypopharynx 13.2%, thyroid 10.8%, larynx 9.4%.

S.NO	HISTOLOGY	%
1	SQUAMOUS CELL CARCINOMA	81.2
2	BASAL CELL CARCINOMA	1
3	ADENOCARCINOMA	0.7
4	ADENOID CYSTIC CA	0.4
5	ADENOSQUAMOUS CA	0.2
6	LYMPHOEPITHELIOMA	0.4
7	PAPILLARY CA	9.7
8	NON HODGKINS LYMPHOMA	1.1
9	MUCOEPIDERMOID CA	1.5
10	MEDULLARY CA	0.6
11	SECONDARIES NECK	0.4
12	HODGKINS LYMPHOMA	o.2
13	ONCOCYTIC NEOPLASM	0.08
14	FOLLICULAR CA	0.6
16	PERIPHERAL NEUROECTODERMAL TUMOR	0.2
17	PAPILLARY SQUAMOUS TRANSITIONAL CELL CA	0.08
18	PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION	0.08
19	ANAPLASTIC CA	0.08
20	MALIGNANT MELANOMA	0.3
21	SMALL ROUND CELL TUMOUR	0.3
22	AMELOBLASTIC CA	0.08
23	MEIBOMIAN CA	0.2
24	ACINIC CELL CA	0.08
25	MYOEPITHELIAL CA	0.08
26	OSTEOSARCOMA	0.2

Among the histological types, squamous cell CA is the most commonly encountered histology forming about 81.2% followed by papillary carcinoma of thyroid, 9.7%. The third most common type is the mucoepidermoid carcinoma of salivary glands forming about 1.5%.

S.NO	HISTOLOGY	Male %	Female %
1	SQUAMOUS CELL CARCINOMA	76.3	23.7
	WELL DIFFERENTIATED	72.5	27.4
	MODERATELY DIFFERENTIATED	84.6	15.4
	POORLY DIFFERENTIATED	78.1	21.9
	NON KERATINIZING	64.3	35.7
	HYPERPLASTIC SCC	100	
	BASALOID SCC	100	
	VERRUCOUS CA	78.6	21.4
2	BASAL CELL CARCINOMA	41.4	58.3
3	ADENOCARCINOMA	44.4	55.5
4	ADENOID CYSTIC CA	20	80
5	ADENOSQUAMOUS CA	50	50
6	LYMPHOEPITHELIOMA	75	25
7	PAPILLARY CA	19.1	80.9
8	NON HODGKINS LYMPHOMA	61.5	38.4
9	MUCOEPIDERMOID CA	72.2	27.7
10	MEDULLARY CA		100
11	SECONDARIES NECK	50	50
12	HODGKINS LYMPHOMA		100
13	ONCOCYTIC NEOPLASM	100	

14	FOLLICULAR CA	14.3	85.7
15	MALIGNANT ADNEXAL TUMOR		100
16	PERIPHERAL NEUROECTODERMAL TUMOR	50	50
17	PAPILLARY SQUAMOUS TRANSITIONAL CELL CA	100	
18	PLEOMORPHIC ADENOMA WITH MALIGNANT TRANSFORMATION		100
19	ANAPLASTIC CA		100
20	MALIGNANT MELANOMA	33.3	66.6
21	SMALL ROUND CELL TUMOUR	66.7	33.3
22	AMELOBLASTIC CA		100
23	MEIBOMIAN CA	100	
24	ACINIC CELL CA	100	
25	MYOEPITHELIAL CA	100	
26	OSTEOSARCOMA	100	

Among the genders, the most commonly encountered squamous cell CA, predominates in males forming 76.3% and in females 23.7%. Out of the squamous cell CA, moderately differentiated squamous cell CA predominates 84.6% in males and 15.4% in females.

Sl no	SITE	MALE %	FEMALE %
1	LIP	60.7	39.2
2	ORAL CAVITY	67.5	32.4
3	TONGUE		
4	BUCCAL MUCOSA		
5	HARD PALATE		
6	RETROMOLAR TRIGONE		
7	ALVEOLUS		

Sl no	SITE	MALE %	FEMALE %
8	GINGIVA		
9	FLOOR OF MOUTH		
10	OROPHARYNX	93	6.9
11	TONSIL		
12	POSTERIOR 1/3 RD OF TONGUE		
13	VALLECULA		
14	PHARYNGOEPIGLOTTIC FOLD		
15	SOFT PALATE		
16	EPIGLOTTIS		
17	HYPOPHARYNX	76.8	23.2
18	PYRIFORM FOSSA		
19	POST CRICOID REGION		
20	POST PHARYNGEAL WALL		
21	LARYNX	90.9	9.1
22	SUPRAGLOTTIS		
23	GLOTTIS		
24	SUBGLOTTIS		
25	NECK NODE	57.6	42.4
26	NASOPHARYNX	50	50
27	THYROID	23.6	76.4
28	NOSE/PNS	72.7	27.2
29	EYE	30	70
30	SCALP	42.9	57.1
31	SALIVARY GLAND	58.4	41.6
32	PAROTID		
33	SUBMANDIBULAR		
34	SUBLINGUAL		
35	FACE	75	25
36	OESOPHAGUS	72.7	27.2
37	MAXILLA	50	50
38	EAR	60	40

Among the sites of head and neck malignancy occurrence, oropharynx predominates in males and oral cavity predominates in females. Layrnx is the second most affected site in males whereas hypopharynx is the second most affected site in females.

The squamous cell CA, the most common histopathological type of head and neck malignancies predominates in 41 – 60 years forming about 55% of the total incidence followed by 29.6% in more than 61 yrs.

Among the malignancies in the ear, squamous cell CA constitutes 80%. In the face and eye, Basal cell CA predominates forming 50%. In the hypopharynx, squamous cell CA constitutes 98.7%. In the larynx, squamous cell CA, 98.1%. In the lip, squamous cell CA constitutes 85.7% followed by mucoepidermoid CA constituting 7.1%. In the maxilla, squamous cell CA predominates 62.5%. In the nasopharynx, squamous cell CA 83.3%, lymphoepithelioma form 12.8%. In the neck secondaries, SCC forms 33.3% followed by NHL 27.3%. In the Nose/PNS, SCC forms 55.6% followed by malignant melanoma 22.2%. In the upper oesophagus, SCC predominates forming 100%. In the oral cavity, SCC 98.6% and in the oropharynx 99.1%. In the salivary gland, Mucoepidermoid CA predominates 54.2% followed by Acynic cell CA 16.7%. In the scalp, SCC constitutes followed by 50% followed by BCC, malignant melanoma, malignant adnexal tumour each forming 16.7%. In the thyroid, Papillary CA constitutes 87.8% followed by Follicular and Medullary CA forming 5.69%. There are also reports of rare tumours like small cell osteo CA and pleomorphic adenoma with malignant transformation, papillary squamous transitional cell CA, meibomian CA and Myoepithelial CA.

PITFALLS OF THE STUDY

This study being a retrospective one could not take into consideration the risk factors and etiology which has led to the formation of malignancies. Follow up of the patients is also not possible since there was no common identification number followed for a particular patient.

Since there has been no protocol followed in sending requisition for histopathology, many clinical entities were not made. This led to the problem of not finding the exact incidence as far as subsites are considered.

Since there was no coding given for histopathological diagnosis, the final report varied over the years which were studied.

RECOMMENDATIONS

1. Tumour board to play an important role to channelize the patients regarding diagnosis and histology by creating a common identification number.
2. ICD code to be followed for all histopathological diagnosis so that the follow up of the patients will be easier.
3. To have a software developed to assimilate the data in a particular institution so that compilation can be done, state and nation-wide.
4. Surgical departments related to head and neck can follow a common protocol to be followed from the day of first visit till further follow up.
5. Surgical departments related to head and neck to coordinate with pathology department to create a common histopathological requisition and report forms for complete data.
6. To have timely review meetings between the departments to discuss and to find for practical difficulties in the above mentioned procedures.
7. Keeping in views the results given by the retrospective study, prospective studies can be done to include the risk factors, diagnostic, treatment modalities and follow up.

CONCLUSION

The study conducted analysed 1138 head and neck malignancies which is of a significant proportion, which will help us to equip ourselves with regard to diagnostic and treatment facilities. The age and the gender distribution correlated with that of other studies. The topographical and histological analyses gave an insight into the type of malignancies encountered in the sites of head and neck; which will enhance our knowledge regarding the same.

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PRELIMINARY DATA COLLECTION

S NO	NAME	AGE	SEX	DATE	ANATOMICAL SITE	HISTOLOGICAL DIAGNOSIS	OTHERS

DATE	AGE	SEX	TOPOGRAPHICAL SITE	SUBSITE	HISTOLOGICAL DIAGNOSIS
6.1.2004	65	MALE	OROPHARYNX	POSTERIOR TONGUE	MODERATELY DIFF SCC
14.1.2004	60	MALE	LARYNX	GLOTTIS	WELL DIFF SCC
14.1.2004	65	FEMALE	EYE	LEFT EYELID	BASAL CELL CARCINOMA
16.1.2004	37	MALE	THYROID		PAPILLARY CARCINOMA
2.2.2004	64	MALE	HYPOPHARYNX		MODERATELY DIFF SCC
6.2.2004	45	FEMALE	OROPHARYNX		MODERATELY DIFF SCC
18.3.2004	15	male	THYROID		papillary carcinoma
21.3.2004	80	male	HYPOPHARYNX	pyriform fossa	adenosquamous carcinoma
25.3.2004	50	male	OROPHARYNX		infiltrating non keratinising scc
28.4.2004	65	FEMALE	SALIVARYGLAND		ADENOCARCINOMA
28.04.2004	42	MALE	LARYNX		WELL DIFF SSC
5.5.2004	70	MALE	OROPHARYNX	TONSIL	MODERATELY DIFF SCC
13.5.2004	45	female	HYPOPHARYNX	post cricoid growth	well diff scc
18.5.2004	58	male	OROPHARYNX	TONSIL	mod diff scc
9.6.2004	40	FEMALE	OROPHARYNX		MODERATELY DIFF SCC
9.6.2004	63	MALE	ORAL CAVITY	BUCCAL MUCOSA	WELL DIFF SCC
17.06.2004	59	FEMALE	FACE		BASAL CELL CARCINOMA
18.06.2004	75	MALE	LIP		WELL DIFF SCC
19.6.2004	42	MALE	NASOPHARYNX		LYMPHOIEPITHELIOMA
23.06.2004	58	FEMALE	HYPOPHARYNX		MODERATELY DIFF SCC
24.06.2004	37	FEMALE	THYROID		PAPILLARY CARCINOMA
24.06.2004	68	MALE	OROPHARYNX		MODERATELY DIFF SCC
1.7.2004	40	MALE	OROPHARYNX	TONSIL	MODERATELY DIFF SCC
14.07.2004	32	FEMALE	HYPOPHARYNX		MODERATELY DIFF SCC
14.07.2004	58	MALE	OROPHARYNX		MODERATELY DIFF SCC
17.07.2004	38	FEMALE	ORAL CAVITY	TONGUE	WELL DIFF SSCC
19.07.2004	28	FEMALE	THYROID		PAPILLARY CARCINOMA
19.07.2004	50	MALE	LARYNX	GLOTTIS	WELL DIFF SCC
23.7.2004	59	MALE	NECK NODE		NHL
27.07.2004	50	MALE	LARYNX	GLOTTIS	WELL DIF SCC
10.8.2004	50	emale	THYROID		papillary carcinoma
16.8.2004	40	female	HYPOPHARYNX	pyriform fossa	well diff scc
18.8.2004	55	male	OROPHARYNX		well diff scc
19.08.2004	80	FEMALE	LIP		WELL DIFF SCC
08.09.2004	74	MALE	OROPHARYNX	POSTERIOR TONGUE	MODERATELY DIFF SCC
10.09.2004	85	MALE	LIP		WELL DIFF SCC
17.09.2004	63	MALE	LARYNX	SUPRAGLOTTIS	MOD DIFF SCC
17.09.2004	85	MALE	OROPHARYNX		MOD DIFF SCC
17.09.2004	37	FEMALE	THYROID		PAPILLARY CARCINOMA
20.09.2004	43	FEMALE	SCALP		WELL DIFF SCC
25.09.2004	55	MALE	THYROID		PAPILLARY CARCINOMA
27.09.2004	35	MALE	SCALP		WELL DIFF SCC
06.10.2004	45	MALE	OROPHARYNX		POORLY DIF SCC
13.10.2004	50	female	ORAL CAVITY	TONGUE	WELL DIFF SCC
13.10.2004	60	female	NECK NODE		adenoca
15.10.2004	57	FEMALE	NASOPHARYNX		MODERATELY DIFF SCC
15.11.2004	64	MALE	NOSE		WELL DIFF SCC
24.11.2004	71	MALE	OROPHARYNX	POSTERIOR TONGUE	MODERATELY DIFF SCC
24.11.2004	53	MALE	LARYNX	GLOTTIS	WELL DIFF SCC
02.12.2004	68	MALE	OROPHARYNX		MOD DIFF SCC
7.12.2004	69	MALE	NECK NODE		ADENOID CYSTIC CARCINOMA SECONDARIES
8.12.2004	60	MALE	OROPHARYNX	TONSIL	MODERATELY DIFF SCC
11.12.2004	58	MALE	ORAL CAVITY		WELL DIFF SCC
12.12.2004	45	FEMALE	THYROID		PAPILLARY CARCINOMA
15.12.2004	60	MALE	OROPHARYNX	POSTERIOR TONGUE	MODERATELY DIFF SCC
19.12.2004	50	FEMALE	ORAL CAVITY	BUCCAL MUCOSA	WELL DIFF SCC
22.12.2004	52	MALE	ORAL CAVITY	TONGUE	WELL DIFF SCC
24.12.2004	41	MALE	ORAL CAVITY	BUCCAL MUCOSA	VERUCCOUS CARCINOMA
26.12.2004	55	MALE	ORAL CAVITY		WELL DIFF SCC

DATE	AGE	SEX	TOPOGRAPHICAL SITE	SUBSITE	HISTOLOGICAL DIAGNOSIS
8.1.2005	45	male	THYROID		PAPILLARY CARCINOMA
13.1.2005	52	male	LARYNX		well diff scc
17.1.2005	73	male	ORAL CAVITY	TONGUE	well diff scc
18.1.2005	45	male	ORAL CAVITY	BUCCAL MUCOSA	WELL DIFF SCC
26.1.2005	55	male	OROPHARYNX		well diff scc
27.1.2005	40	FEMALE	THYROID		PAPILLARY CARCINOMA
6.2.2005	35	MALE	ORAL CAVITY		WELL DIFF SCC
23.2.2005	48	MALE	OESOPHAGUS		MODERATELY DIFF SCC
4.3.2005	71	FEMALE	ORAL CAVITY		MODERATELY DIFF SCC
5.3.2005	40	FEMALE	NECK NODE		POORLY DIFF SCC
6.3.2005	30	MALE	ORAL CAVITY		WELL DIFF SCC
7.3.2005	40	FEMALE	THYROID		MEDULLARY CARCINOMA
8.3.2005	22	FEMALE	THYROID		PAPILLARY CARCINOMA
9.3.2005	73	FEMALE	ORAL CAVITY	TONGUE	WELL DIFF SCC
9.3.2005	40	FEMALE	THYROID		MEDULLARY CARCINOMA
10.4.2005	50	FEMALE	NECK NODE		POORLY DIFF SCC
10.4.2005	57	MALE	OROPHARYNX		MODERATELY DIFF SCC
13.04.2005	65	MALE	OROPHARYNX	POST 1/3 TONGUE	MODERATELY DIFF SCC
16.04.2005	63	MALE	NECK NODE		POORLY DIFF SCC
28.04.2005	49	FEMALE	ESOPHAGUS		POORLY DIFF SCC
28.04.2004	65	FEMALE	SALIVARY GLAND		ADENO CARCINIMA
29.04.2005	60	MALE	ORAL CAVITY		MODERATELY DIFF SCC
30.04.2005	67	MALE	HYPOPHARYNX	PYRIFORM FOSSA	MODERATELY DIFF SCC
10.05.2005	60	MALE	OROPHARYNX	TONSIL	WELL DIFF SCC
16.05.2005	60	MALE	HYPOPHARYNX	PYRIFORM FOSSA	WELL DIFF SCC
18.05.2005	65	MALE	OROPHARYNX		MODERATELY DIFF SCC
20.05.2005	66	MALE	HYPOPHARYNX	PYRIFORM FOSSA	WELL DIFF SCC
22.05.2005	68	MALE	OROPHARYNX		WELL DIFF SCC
23.05.2005	41	MALE	OROPHARYNX		WELL DIFF SCC
24.05.2005	50	MALE	OROPHARYNX	TONSIL	MODERATELY DIFF SCC
25.05.2005	40	FEMALE	NECK NODE		WELL DIFF SCC
25.05.2005	28	MALE	HYPOPHARYNX	POST CRICOID	HYPER PLASTIC SCC
27.05.2005	65	FEMALE	OROPHARYNX		MODERATELY DIFF SCC
4.06.2005	16	female	THYROID		paPILLARY CARCINOMA
07.06.2005	45	MALE	OROPHARYNX	TONSIL	MUCOEPIDERMOID CARCINOMA
18.06.2005	40	MALE	LARYNX	SUPRA GLOTTIS	MODERATELY DIFF SCC
24.6.2005	55	MALE	OROPHARYNX		MODERATELY DIFF SCC
30.6.2005	20	FEMALE	THYROID		PAPILLARY CARCINOMA
30.6.2005	58	FEMALE	THYROID		PAPILLARY CARCINOMA
7.7.2005	67	MALE	ORAL CAVITY		WELL DIFF SCC
12.7.2005	62	MALE	NECK NODE		WELL DIFF SCC
16.7.2005	65	MALE	OROPHARYNX	POST 1/3 TONGUE	MODERATELY DIFF SCC
3.8.2005	48	FEMALE	OROPHARYNX		MODERATELY DIFF SCC
16.8.2005	45	MALE	OROPHARYNX		MODERATELY DIFF SCC
16.8.2005	66	FEMALE	NASOPHARYNX		well diff scc
17.8.2005	60	MALE	THYROID		PAPILLARY CARCINOMA
20.8.2005	60	MALE	OROPHARYNX		MODERATELY DIFF SCC
23.8.2005	50	FEMALE	NECK NODE		SECONDARIES NECK
8.9.2005	60	MALE	LARYNX	GLOTTIS	WELL DIFF SCC
13.9.2005	50	MALE	OROPHARYNX		MODERATELY DIFF SCC
17.09.2005	69	MALE	OROPHARYNX		MODERATELY DIFF SCC
17.9.2005	67	MALE	OROPHARYNX		MODERATELY DIFF SCC
17.9.2005	60	MALE	THYROID		PAPILLARY CARCINOMA
4.10.2005	62	MALE	ORAL CAVITY	BUCCAL MUCOSA	BASAL CELL CARCINOMA
26.10.2005	75	FEMALE	HYPOPHARYNX		MODERATELY DIFF SCC
27.10.2005	50	MALE	ORAL CAVITY	BUCCAL MUCOSA	WELL DIFF SCC

30.10.2005	55	male	HYPOPHARYNX	PYRIFORM FOSSA	well diff scc
2.11.2005	60	male	HYPOPHARYNX		MODERATELY DIFF SCC
3.11.2005	65	male	ORAL CAVITY		well diff scc
13.11.2005	55	MALE	OROPHARYNX		MODERATELY DIFF SCC
16.11.2005	32	female	THYROID		PAPILLARY CARCINOMA
29.11.2005	71	male	OROPHARYNX	POST 1/3 TONGUE	POORLY DIFF SCC
9.12.2005	65	MALE	NOSE		WELL DIFF SCC
22.12.2005	25	FEMALE	HYPOPHARYNX		WELL DIFF SCC
23.12.2005	55	FEMALE	HYPOPHARYNX		POORLY DIFF SCC
23.12.2005	68	MALE	OROPHARYNX		MODERATELY DIFF SCC
25.12.2005	62	MALE	OROPHARYNX	POST 1/3 TONGUE	MODERATELY DIFF SCC
25.12.2005	40	MALE	NECK NODE		NHL
30.12.2005	45	MALE	LARYNX	GLOTTIS	VERRUCOUS CARCINOMA

DATE	AGE	SEX	TOPOGRAPHICAL SITE	SUBSITE	HISTOLOGICAL DIAGNOSIS
5.1.2006	40	male	OROPHARYNX	TONSIL	mod diff scc
5.1.2006	52	male	HYPOPHARYNX		well diff scc
13.1.2006	68	male	OROPHARYNX		mod diff scc
22.1.2006	45	male	LARYNX	glottis	VERRUCOUS SCC
23.1.2006	44	female	HYPOPHARYNX	post cricoid growth	well diff scc
24.1.2008	50	male	HYPOPHARYNX	pyriform fossa	mod diff scc
5.2.2006	45	female	NASOPHARYNX		poorly diff ca
6.2.2006	65	male	SALIVARY GLAND	parotid	oncocytic neoplasm
6.2.2006	60	male	HYPOPHARYNX	post pharynx	moderately diff scc
7.2.2006	68	male	ORAL CAVITY	BUCCAL MUCOSA	well diff scc
8.2.2006	60	female	ORAL CAVITY	TONGUE	well diff scc
16.2.2006	60	male	OROPHARYNX	growth tongue &epiglottis	well diff scc
18.2.2006	30	female	OROPHARYNX		well diff scc
3.3.2006	70	male	ORAL CAVITY	TONGUE	well diff scc
7.3.2006	50	male	OROPHARYNX	pharyngoepiglottic fold	mod diff scc
8.3.2006	62	male	HYPOPHARYNX	pyriform fossa	well diff scc
9.3.2006	55	male	HYPOPHARYNX		mod diff scc
13.3.2006	48	female	THYROID		papillary carcinoma
17.3.2006	47	female	THYROID		papillary carcinoma
20.03.2006	45	male	LARYNX	supra glottis	well diff scc
24.3.2006	68	male	OROPHARYNX	post tongue	well diff scc
28.3.2006	54	male	LARYNX		mod diff scc
28.03.2006	62	male	OROPHARYNX	post tongue	mod diff scc
31.3.2006	35	female	THYROID		papillary carcinoma
01.04.2006	45	male	OROPHARYNX		mod diff scc
3.4.2006	75	male	OROPHARYNX	TONSIL	mod diff scc
10.04.2006	60	male	ORAL CAVITY	BUCCAL MUCOSA	mod diff scc
10.04.2006	50	male	LARYNX	supra glottis	well diff scc
18.4.2006	60	female	ORAL CAVITY		well diff scc
18.4.2006	60	female	MAXILLA		well diff scc
19.4.2006	45	male	THYROID		papillary carcinoma
20.04.2006	40	male	OROPHARYNX		poor diff scc
21.04.2006	50	male	OROPHARYNX		basoloid scc
24.4.2006	54	female	NASOPHARYNX		adenoid cystic carcinoma
29.04.2006	37	female	THYROID		papillary carcinoma
03.05.2006	57	male	OROPHARYNX		well diff scc
19.05.2006	55	male	ORAL CAVITY	BUCCAL MUCOSA	well diff scc
26.05.2006	50	male	LARYNX	supra glottis	mod diff scc
29.05.2006	47	female	THYROID		papillary carcinoma
12.06.2006	20	female	THYROID		papillary carcinoma
17.06.2006	51	male	HYPOPHARYNX	pyriform fossa	poor diff scc
23.06.2005	30	female	NOSE		LYMPHOEPITHELIOMA
28.06.2006	65	male	LIP		well diff scc
07.07.2006	77	male	LARYNX	glottis	well diff scc
21.07.2007	46	female	THYROID		papillary carcinoma
11.08.2006	45	male	OROPHARYNX	TONSIL	well diff scc
14.08.2006	50	female	ORAL CAVITY	TONGUE	well diff scc
16.08.2006	67	male	LARYNX	glottis	well diff scc
29.08.2006	57	male	HYPOPHARYNX	post cricoid	well diff scc
30.08.2006	54	female	ORAL CAVITY		well diff scc
30.08.2006	26	female	THYROID		papillary carcinoma
30.08.2006	80	male	OROPHARYNX		well diff scc
15.09.2006	42	female	NECK NODE		hodgkins lymphoma
30.09.2006	58	male	HYPOPHARYNX	postpharynx	well diff scc
5.10.2006	25	female	THYROID		papillary carcinoma
18.10.2006	70	male	OROPHARYNX	post tongue	poor diff scc
14.11.2006	35	male	OROPHARYNX		poor diff scc
19.11.2006	76	male	OROPHARYNX		well diff scc
21.11.2006	40	male	NASOPHARYNX		well diff scc
25.11.2006	50	male	OROPHARYNX	TONSIL	mod diff scc
25.11.2006	61	male	LARYNX		poor diff scc

25.11.2006	43	male	OROPHARYNX		well diff scc
29.11.2006	53	male	OROPHARYNX	post tongue	well diff scc
5.12.2006	40	female	HYPOPHARYNX	pharyngeal wall	well diff scc
7.12.2006	29	female..	THYROID		papillary carcinoma
7.12.2006	63	male	OROPHARYNX	post tongue	well diff scc
7.12.2006	62	female	ORAL CAVITY	BUCCAL MUCOSA	well diff scc
7.12.2006	72	female	OROPHARYNX	post tongue	adenosquamous malignant neoplasm
20.12.2006	50	female	NASOPHARYNX		well diff scc
21.12.2006	60	male	HYPOPHARYNX	pyriform fossa	well diff scc

DATE	AGE	SEX	TOPOGRAPHICAL SITE	SUBSITE	HISTOLOGICAL DIAGNOSIS
11.1.2007	50	male	oropharynx	tonsil	moderately diff scc
11.1.2007	52	male	oropharynx		moderately diff scc
31.1.2007	51	male	hypopharynx	pyriform fossa	mod diff scc
9.2.2007	50	female	oral cavity		well diff scc
20.2..2007	87	male	scalp		well diff scc
21.2.2007	54	male	hypopharynx	post pharyngeal wall	moderately diff scc
21.2.2007	46	male	oral cavity	TONGUE	well diff scc
26.2.2007	49	male	oropharynx		moderately diff scc
2.3.2007	65	female	nasopharynx		mod diff scc
2.3.2007	35	female	thyroid		papillary carcinoma
6.3.2007	35	male	ear	external auditory canal	well diff scc
20.4.2007	40	female	neck node		secondaries neck
20.4.2007	28	female	thyroid		papillary carcinoma
23.4.2007	40	male	hypopharynx	pyriform fossa	well diff scc
25.4.2007	48	female	thyroid		follicular variant of pap ca
25.4.2007	47	male	larynx	glottis	well diff scc
4.6.2007	16	female	thyroid		papillary carcinoma
8.6.2007	59	male	hypopharynx	pyriform fossa	moderately diff scc
18.6.2007	54	female	thyroid		follicular ca
18.6.2007	26	female	thyroid		papillary carcinoma
19.6.2007	67	female	thyroid		medullary ca
22.6.2007	68	male	oropharynx	POST TONGUE	well diff scc
30.6.2007	42	male	orophayrnx	tonsil	moderately diff scc
3.7.2007	40	female	thyroid		medullary ca
7.7.2007	30	female	thyroid		papillary carcinoma
16.7.2007	28	male	oropharynx		moderately diff scc
31.7.2007	59	female	hypopharynx	post cricoid	mod diff scc
31.7.2007	69	male	hypopharynx	post cricoid	mod diff scc
31.7.2007	60	female	hypopharynx	pst cricoid	well diff scc
3.8.2007	55	male	oropharynx	POST TONGUE	moderately diff scc
10.8.2007	65	female	larynx	glottis	well diff scc
13.8.2007	54	male	larynx	glottis	well diff scc
20.8.2007	40	male	hypopharynx	post cricoid	well diff scc
20.8.2007	74	male	larynx	glottis	well diff scc
23.8.2007	60	male	oropharynx		moderately diff scc
23.8.2007	51	male	larynx		poorly diff adenocarcinoma
24.8.2007	45	male	oral cavity	BUCCAL MUCOSA	mod diff scc
3.9.2007	67	male	hypopharynx	pyriform fossa	mod diff scc
4.9.2007	67	male	oropharynx	vallecular growth	moderately diff scc
7.9.2007	46	male	oral cavity	BUCCAL MUCOSA	mod diff scc
14.9.2007	32	female	hypopharynx		mod diff scc
19.9.2007	28	male	oralcavity		well diff scc
19.9.2007	40	male	hypopharynx	pyriform fossa	mod diff scc
19.9.2007	56	male	larynx	supraglottis	NHL
20.9.2007	70	male	larynx	glottis	mod diff scc
27.9.2007	19	male	neck node		NHL
29.9.2007	60	male	oral cavity	TONGUE	well diff scc
1.10.2007	75	male	oropharynx	POST TONGUE	moderately diff scc
5.10.2007	62	male	larynx	glottis	mod diff scc
5.10.2007	60	male	hypopharynx	pyriform fossa	mod diff scc
15.10.2007	61	male	larynx	glottis	poorly diff scc
17.10.2007	79	female	salivarygland		adenocarcinoma
17.10.2007	69	male	oral cavity	BUCCAL MUCOSA	well diff scc
1.11.2007	35	female	hypopharynx	pyriform fossa	well diff scc
2.11.2007	50	female	thyroid		papillary carcinoma
7.11.2007	79	male	oropharynx	tonsil	moderately diff scc
12.11.2007	68	male	larynx	glottis	mod diff scc

12.11.2007	58	male	larynx		well diff scc
15.11.2007	25	female	nasopharynx		well diff scc
19.11.2007	60	female	oral cavity		poorly diff scc
4.12.2007	35	female	ear		low grade mucoepidermoid ca
5.12.2007	22	male	nasopharynx		mod diff scc
18.12.2007	62	male	oropharynx	soft palate	mod diff scc
22.12.2007	35	male	oralcavity	BUCCAL MUCOSA	well diff scc
22.12.2007	62	female	oral cavity	TONGUE	well diff scc
22.12.2007	80	male	maxilla		well diff scc

DATE	AGE	SEX	TOPOGRAPHICAL SITE	SUBSITE	HISTOLOGICAL DIAGNOSIS
2.1.2008	51	male	oropharynx	tosillo lingual sulcu	moderately diff scc
12.1.2008	45	male	oral cavity	buccal mucosa	well diff scc
10.1.2008	65	MALE	oropharynx		well diff scc
18.1.2008	15	MALE	thyroid		papillary carcinoma
21.1.2008	58	male	oropharynx		well diff scc
25.1.2008	54	male	oral cavity		mod diff scc
30.1.2008	58	female	salivary gland	submandibular glan	mucoepidermoid carcinoma
2.2.2008	62	MALE	oral cavity	tongue	well diff scc
2.2.2008	48	female	hypopharynx	post cricoid growth	mod diff scc
3.2.2008	51	male	oropharynx		well diff scc
6.2.2008	50	male	hypopharynx	pyriformfossa	well diff scc
13.2.2008	75	female	oral cavity	buccal mucosa	well diff scc
15.2,2008	66	MALE	oral cavity	tongue	well diff scc
18.2.2008	68	male	salivary gland	submandibular	mucoepidermoid carcinoma
19.2.2008	50	male	oropharynx	tonsillar fossa	well diff scc
25.2.2008	48	male	oropharynx		well diff scc
28.2.2008	63	female	thyroid		papillary carcinoma
29.2.2008	50	male	oropharynx	tonsils	mod diff scc
1.3.2008	58	female	thyroid		papillary carcinoma
1.3.2008	41	male	oral cavity		moderately diff scc
3.3.2008	59	male	maxilla		papillary squamous transitional cell carcinoma
5.3.2008	48	male	salivary gland	parotid	mucoepidermoid carcinoma
7.3.2008	30	female	thyroid		papillary carcinoma
9.3.2008	50	female	oral cavity		well diff scc
11.3.2008	65	male	salivary gland	parotid	mucoepidermoid carcinoma
13.3.2008	47	female	thyroid		follicular ca
14.3.2008	24	male	thyroid		papillary carcinoma
14.3.2008	48	male	oral cavity	buccal mucosa	well diff scc
15.3.2008	50	male	oropharynx		well diff scc
17.3.2008	55	male	oral cavity	tongue	well diff scc
17.3.2008	55	male	oral cavity	tongue	non keratinizing scc
18.3.2008	57	male	oropharynx		well diff scc
19.3.2008	48	male	neck node		secondaries neck
22.3.2008	60	female	oral cavity	tongue	well diff scc
22.3.2008	32	male	oral cavity		well diff scc
26.3.2008	32	female	larynx	glottis	mod diff scc
27.3.2008	38	male	larynx	glottis	mod diff scc
28.3.2008	54	male	oral cavity		well diff scc
29.3.2008	35	male	nasopharynx		moderately diff scc
2.4.2008	59	male	larynx	glottis	mod diff scc
3.4.2008	62	male	larynx	supraglottic growth	mod diff scc
4.4.2008	60	female	oral cavity	tongue	well diff scc
7.4.2008	58	female	thyroid		papillary carcinoma
8.4.2008	55	male	oropharynx		well diff scc
16.4.2008	48	male	oropharynx		poorly diff scc
21.4.2008	54	MALE	salivary gland	parotid	mucoepidermoid carcinoma
26.4.2008	55	male	oropharynx		well diff scc
30.4.2008	65	male	oropharynx		poorly diff scc
3.5.2008	49	male	hypopharynx	pyriform fossa	poorly diff scc
7.5.2008	70	male	hypopharynx		well diff scc
17.5.2008	67	male	neck node		secondaries neck
21.5.2008	60	male	oral cavity		mod diff scc
22.5.2008	68	male	hypopharynx	pyriform fossa	mod diff scc
28.5.2008	48	female	salivary gland	submandibular glan	pleomorphic adenoma with malignant transformation
30.5.2008	42	male	nose		peripheral neuroectodermoid tumour
2.6.2008	55	male	oropharynx	tonsillar fossa	mod diff scc

3.6.2008	50	male	hypopharynx	pyriform fossa	mod diff scc
6.6.2008	71	female	scalp		malignant adnexal tumor
26.6.2008	70	male	oropharynx		mod diff scc
27.6.2008	60	female	larynx	supraglottic growth	mod diff scc
2.7.2008	60	female	larynx	glottis	mod diff scc
3.7.2008	45	male	oropharynx	epiglottis	infiltrating non keratinising scc
7.7.2008	65	male	hypopharynx		mod diff scc
7.7.2008	65	male	oropharynx		mod diff scc
28.7.2008	32	male	oral cavity	tongue	well diff scc
30.7.2008	30	female	thyroid		follicular variantof pap ca
30.7.2008	55	female	lip		mod diff scc
30.7.2008	55	female	lip		mod diff scc
2.8.2008	55	female	thyroid		papillary carcinoma
7.8.2008	47	female	thyroid		papillary carcinoma
23.8.2008	35	female	oralcavity		well diff scc
23.8.2008	52	female	oral cavity	buccal mucosa	non keratinizing scc
23.8.2008	55	male	oropharynx		well diff scc
27.8.2008	65	male	oral cavity		mod diff scc
5.9.2008	60	female	oral cavity	tongue	mod diff scc
24.9.2008	73	male	oropharynx		mod diff scc
25.9.2008	60	male	nasopharynx		mod diff scc-spindle cell type
29.10.2008	50	male	oropharynx		mod diff scc
6.10.2008	65	male	oropharynx	tonsillar fossa	well diff scc
15.10.2008	67	MALE	oropharynx		mod.diff scc
10.10.2008	75	female	hypopharynx	pyriform fossa	well diff scc
17.10.2008	45	female	thyroid		papillary carcinoma
18.10.2008	60	female	neck node		secondaries neck
23.10.2008	60	female	salivary gland	submandibular glan	basal cell adenocarcinoma
6.11.2008	40	female	maxilla		adenoid cystic carcinoma
11.11.2008	55	female	thyroid		papillary carcinoma
21.11.2008	45	male	oropharynx		moderately diff scc
22.11.2008	53	MALE	oropharynx		well diff scc
22.12.2008	50	male	hypopharynx	pyriform fossa	well diff scc
24.12.2008	62	female	oral cavity	tongue	non hodgkin lymphoma-large lymphocytic type
29.12.2008	67	MALE	oropharynx	tonsillar fossa	well diff scc
30.12.2008	75	MALE	hypopharynx	pyriform fossa	well diff scc

DATE	AGE	SEX	TOPOGRAPHICAL SITE	SUBSITE	HISTOLOGICAL DIAGNOSIS
7.1.2009	67	male	larynx	supraglottis	mod diff scc
11.1.2009	61	male	Oral cavity	upper alveolus	poorly diff scc
13.1.2009	32	male	Oral cavity		well diff scc
13.1.2009	28	female	thyroid		anaplasticcarcinoma
17.1.2009	55	female	Oral cavity	tongue	well diff scc
22.1.2009	50	male	Oral cavity	tongue	well diff scc
26.1.2009	60	MALE	oropharynx		mod diff scc
2.2.2009	52	male	hypopharynx		moddiff scc
7.2.2009	45	male	Oral cavity	buccal mucosa	well diff scc
9.2.2009	65	male	oropharynx	tonsil	mod diff scc
15.2.2009	50	female	nasopharynx		mod diff scc
18.2.2009	45	female	Oral cavity	tongue	well diff scc
19.2.2009	67	male	oropharynx	tonsil	well diff scc
21.2.2009	45	male	oesophagus		mod diff SCC
24.2.2009	65	male	oropharynx		well diff scc
27.2.2009	32	female	thyroid		follicular carcinoma
4.3.2009	60	MALE	oropharynx	post tongue	well diff scc
11.3.2009	52	MALE	hypopharynx	pyriform fossa	well diff scc
11.3.2009	60	male	oropharynx		mod diff scc
16.3.2009	65	MALE	oropharynx	tonsil	MOD DIFF SCC
17.3.2009	12	male	neck node		adenocarcinoma
19.3.2009	55	male	oral cavity		MOD DIFF SCC
21.3.2009	69	MALE	hypopharynx	post cricoid growth	well diff scc
24.3.2009	40	male	larynx	supraglottis	MOD DIFF SCC
25.3.2009	65	female	oropharynx		poorly diff scc
26.3.2009	60	MALE	oropharynx		MOD DIFF SCC
1.4.2009	41	female	hypopharynx	post cricoid growth	poorly diff scc
1.4.2009	41	female	hypopharynx		poorly diff scc
2.4.2009	54	male	larynx	supraglottis	well diff scc
14.4.2009	24	female	thyroid		papillary carcinoma
16.4.2009	52	male	Oral cavity		infiltrating non keratinising scc
18.4,2009	58	female	lip		well diff scc
20.4.2009	40	male	Oral cavity	tongue	well diff scc
20.4.2009	77	female	larynx	supraglottis	poorly diff scc
22.4.2009	80	male	scalp		malignant melanoma
29.4.2009	70	male	oropharynx		mod diff scc
5.5.2009	50	female	oropharynx	tonsil	well diff scc
7.5.2009	55	female	esophagus		mod diff scc
8.5.2009	60	male	Oral cavity	tongue	mod diff scc
8.5.2009	65	female	Oral cavity		well diff scc
10.5.2009	45	female	nose		well diff scc
10.5.2009	66	female	nose		mucosal malignant melanoma
11.5.2009	52	male	oropharynx		mod diff scc
16.5.2009	27	female	thyroid		papillary carcinoma
16.5.2009	59	male	oropharynx	post tongue	mod diff scc
19.5.2009	60	male	oropharynx		well diff scc
20.5.2009	65	female	lip		mod diff scc
20.5.2009	50	female	hypopharynx	postcricoid	well diff scc
25.5.2009	52	male	oropharynx		mod diff scc
4.6.2009	46	male	larynx	glottis	well diff scc
4.6.2009	75	male	hypopharynx	pyriform fossa	mod diff scc
4.6.2009	30	female	larynx	glottis	poorly diff scc
4.6.2009	55	male	oral cavity		well diff scc
8.6.2009	50	male	hypopharynx	pyriform fossa	mod diff scc
14.6.2009	56	male	esophagus		poorly diff scc
15.6.2009	68	male	oropharynx		well diff scc
16.6.2009	44	male	ear		well diff scc

16.6.2009	58	male	oropharynx	post tongue	mod diffscc
18.6.2009	42	MALE	hypopharynx	pyriform fossa	poorly diff scc
18.6.2009	60	male	oropharynx		mod diffscc
23.6.2009	65	male	larynx	supraglottis	mod diff scc
23.6.2009	55	female	oral cavity		poorly diff scc
26.6.2009	52	male	oropharynx	post tongue	mod diff scc
1.7.2009	70	male	oropharynx		well diff scc
8.7.2009	38	male	oropharynx		well diff scc
8.7.2009	48	male	larynx	glottis	well diff scc
13.7.2009	52	male	hypopharynx		well diff scc
14.7.2009	35	male	lip		well diff scc
18.7.2009	45	female	oral cavity	tongue	well diff scc
19.7.2009	48	male	oropharynx	tonsil	mod diff scc
20.7.2009	70	male	oropharynx		well diff scc
24.7.2009	53	male	hypopharynx	pyriform fossa	mod diff scc
27.7.2009	22	female	thyroid		papillary carcinoma
27.7.2009	22	female	neck node		papillary carcinoma
29.7.2009	55	male	neck node		MOD DIFF SCC
1.8.2009	52	male	oropharynx		well diff scc
1.8.2009	66	male	oropharynx	post tongue	well diff scc
6.8.2009	65	male	oral cavity		well diff scc
6.8.2009	35	male	oropharynx		mod diff scc
10.8.2009	41	male	oropharynx		mod diff scc
12.8.2009	55	male	Oral cavity	buccal mucosa	well diff scc
12.8.2009	56	male	thyroid		papillary carcinoma
13.8.2009	44	female	nasopharynx		infiltrating non keratinising scc
18.8.2009	55	male	hypopharynx	pyriform fossa	mod diff scc
22.8.2009	58	male	hypopharynx	post cricoid growth	infiltrating non keratinising scc
23.8.2009	70	male	Oral cavity	alveolus	well diff scc
29.8.2009	48	male	oral cavity		mod diff scc
29.8.2009	48	male	oropharynx		mod diff scc
1.9.2009	73	male	oropharynx	tonsil	poorly diff scc
3.9.2009	65	male	oropharynx	post tongue	poorly diff scc
7.9.2009	43	male	oropharynx		well diff scc
10.9.2009	53	male	hypopharynx		well diff scc
11.9.2009	65	female	Oral cavity	buccal mucosa	well diff scc
11.9.2009	63	male	hypopharynx	pyriformfossa	poorly diff scc
14.9.2009	67	male	nasopharynx		mod diff scc
26.9.2009	55	male	larynx	glottis	well diff scc
29.9.2009	65	male	larynx	supraglottis	mod diff scc
2.10.2009	48	male	hypopharynx	pyriform fossa	small round cell tumour
3.10.2009	56	female	oropharynx		well diff scc
3.10.2009	70	male	oropharynx	tonsil	poor diff scc
13.10.2009	61	male	hypopharynx		
16.10.2009	63	male	larynx	supraglottis	mod difff scc
20.10.2009	63	male	larynx	supraglottis	well diff scc
21.10.2009	65	male	hypopharynx	t pharyngeal wall gro	mod diff scc
25.10.2009	33	female	thyroid		papillary carcinoma
7.11.2009	51	male	larynx	supraglottis	moddiff scc
7.11.2009	51	female	Oral cavity		well diff scc
9.11.2009	35	male	lip		well diff scc
9.11.2009	65	female	Oral cavity	retromolar area	well diff scc
10.11.2009	31	female	thyroid		clear cell variant of papillary carcinoma
11.11.2009	20	female	thyroid		papillary carcinoma
12.11.2009	67	male	larynx	supraglottis	poorly diff scc
17.11.2009	60	male	face		pigmented BCC
23.11.2009	70	male	oropharynx	post tongue	well diff scc
7.12.2009	48	male	oropharynx	post tongue	mod diff scc

9.12.2009	41	male	Oral cavity	tongue	well diff scc
10.12.2009	48	male	oropharynx	post tongue	moddiff scc
13.12.2009	59	female	Oral cavity	tongue	well diff scc
13.12.2009	65	male	larynx	supraglottis	mod diff scc
15.12.2009	74	male	hypopharynx		well diff scc
24.12.2009	30	female	thyroid		papillary carcinoma
25.12.2009	60	female	Oral cavity	tongue	well diff scc
29.12.2009	75	female	eye		basal cell ca
31.12.2009	83	male	oropharynx	tonsils	well diff scc

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5.1.2010	62	male	lip		well diff scc
7.1.2010	75	male	Oral cavity	buccal mucosa	infiltrating nonkeratinising scc
7.1.2010	38	male	Oral cavity	buccal mucosa	well diff scc
8.1.2010	40	male	Oral cavity	tongue	well diff scc
12.1.2010	47	male	hypopharynx	postcricoid	well diff scc
18.1.2010	54	male	Oral cavity	tongue	well diff scc
19.1.2010	50	male	oropharynx		mod diff scc
23.1.2010	63	female	Oral cavity	buccal mucosa	poorly diff scc
25.1.2010	70	male	lip		well diff scc
27.1.2010	21	female	larynx		mod diff scc
29.1.2010	58	male	larynx	supraglottis	well diff scc
30.1.2010	59	female	neck node		non hodgkin lymphoma
3.2.2010	50	female	lip		well diff scc
3.2.2010	43	female	Oral cavity		mod diff scc
6.2.2010	72	male	oropharynx	tonsil	well diff scc
8.2.2010	45	female	lip		scc-verrucous type
9.2.2010	35	female	thyroid		papillary carcinoma
11.2.2010	35	male	hypopharynx		well diff scc
13.2.2010	46	male	Oral cavity		well diff scc
18.2.2010	50	female	thyroid		papillary carcinoma
22.2.2010	46	male	Oral cavity	tongue	mod diff scc
23.2.2010	65	female	Oral cavity	buccal mucosa	mod diff scc
24.2.2010	45	male	Oral cavity	tongue	mod diff scc
26.2.2010	60	female	hypopharynx		well diff scc
27.2.2010	52	female	Oral cavity	alveolus	verruvous carcinoma
28.2.2010	52	female	Oral cavity		well diff scc
1.3.2010	37	male	oropharynx		mod diff scc
3.3.2010	32	female	thyroid		papillary carcinoma
6.3.2010	30	female	thyroid		papillary carcinoma
11.3.2010	52	male	Oral cavity	tongue	well diff scc
20.3.2010	50	male	larynx		well diff scc
26.3.2010	40	male	salivary gland	parotid	mucoepidermoid carcinoma
30.3.2010	70	female	Oral cavity	gingiva	ameloblastic carcinoma
31.3.2010	65	female	neck node		non hodgkin lymphoma
1.4.2010	65	male	lip		well diff scc
1.4.2010	53	male	Oral cavity	retroalveolararea	nonkeratinizing scc
5.4.2010	36	male	Oral cavity	tongue	nonkeratinizing scc
15.4.2010	78	male	thyroid		papillary carcinoma
19.4.2010	60	female	lip		well diff scc
19.4.2010	60	female	Oral cavity	retromolar area	well diff scc
24.4,2010	45	female	Oral cavity		well diff scc
26.4.2010	72	male	Oral cavity	hard palate	mucoepidermoid carcinoma
26.4.2010	75	male	maxilla		non hodgkin lymphoma
27.4.2010	54	male	Oral cavity		well diff scc
28.4.2010	60	female	Oral cavity		mod diff scc
28.4.2010	38	male	Oral cavity	lower alveolus	well diff scc
30.4.2010	55	male	Oral cavity	tongue	nonkeratinizing scc
30.4.2010	45	female	maxilla		nonkeratinizing scc
3.5.2010	10	female	salivary gland	parotid	mucoepidermoid carcinoma
3.5.2010	68	male	oesophagus		infiltrating nonkeratinising scc
3.5.2010	58	male	neck node		poorly diff scc
4.5.2010	43	male	Oral cavity		mod diff scc
7.5.2010	41	male	Oral cavity		well diff scc
11.5.2010	27	female	thyroid		papillary carcinoma
12.5.2010	53	male	neck node		mod diff scc
14.5.2010	50	male	neck node		mod diff scc
15.5.2010	52	male	Oral cavity		infiltrating nonkeratinising scc

25.5.2010	24	female	thyroid		papillary carcinoma
27.5.2010	65	female	Oral cavity	buccal mucosa	well diff scc
28.5.2010	75	male	larynx		nonkeratinizing scc
29.5.2010	60	female	lip		well diff scc
31.5.2010	45	male	Oral cavity	tongue	mod diff scc
3.6.2010	62	male	hypopharynx		mod diff scc
4.6.2010	40	male	Oral cavity		mod diff scc
10.6.2010	65	male	0ropharynx		mod diff scc
11.6.2010	43	male	Oral cavity	buccal mucosa	mod diff scc
14.6.2010	54	male	Oral cavity		well diff scc
15.6.2010	60	male	Oral cavity	buccal mucosa	mod diff scc
17.6.2010	63	female	thyroid		papillary carcinoma
18.6.2010	60	male	oropharynx		mod diff scc
19.6.2010	48	male	Oral cavity		mod diff scc
22.6.2010	55	male	Oral cavity	alveolus	well diff scc
22.6.2010	41	female	thyroid		papillary carcinoma
25.6.2010	50	male	Oral cavity		well diff scc
25.6.2010	26	male	lip		mucoepidermoid carcinoma
28.6.2010	58	male	Oral cavity		infiltrating nonkeratinising scc
2.7.2010	70	male	Oral cavity	lower alveolus	well diff scc
4.7.2010	75	female	Oral cavity		nonkeratinizing scc
7.7.2010	45	male	Oral cavity	ant.tongue	mod diff scc
7.7.2010	41	male	hypopharynx		well diff scc
21.7.2010	40	female	thyroid		papillary carcinoma
27.7.2010	32	male	esophagus		mod diff scc
28.7.2010	76	male	oropharynx		mod diff scc
4.8.2010	72	female	hypopharynx		well diff scc
7.8.2010	52	male	hypopharynx		well diff scc
14.8.2010	52	female	hypopharynx	ɔost cricoid growtl	mod diff scc
21.8.2010	60	female	esophagus		well diff scc
25.8.2010	50	male	hypopharynx	pyriform fossa	mod diff scc
26.8.2010	50	male	larynx	glottis	well diff scc
30.8.2010	65	male	hypopharynx	ost pharyngeal wa	well diff scc
31.8.2010	60	female	hypopharynx	post cricoid	mod diff scc
31.8.2010	70	female	larynx	glottis	well diff scc
3.9.2010	80	female	larynx	glottis	well diff scc
23.9.2010	49	male	hypopharynx	pyriform fossa	well diff scc
25.9.2010	60	male	hypopharynx		well diff scc
30.9.2010	70	male	oropharynx		well diff scc
13.10.2010	64	male	larynx	supra glottis	mod diff scc
13.10.2010	75	female	eye		basal cell ca
13.10.2010	83	male	oropharynx	tonsils	well diff scc
4.10.2010	60	female	esophagus		well diff scc
4.10.2010	64	male	hypopharynx	pyriform fossa	mod diff scc
6.10.2010	55	female	esophagus		inf nonkeratinising scc
7.10.2010	60	female	ear		well diff scc
8.10.2010	58	male	hypopharynx	pyriform fossa	well diff scc
13.10.2010	64	male	larynx	supra glottis	mod diff scc
17.10.2010	65	FEMALI	Oral cavity		mod diff scc
18.10.2010	71	female	hypopharynx	pyriform fossa	poorly diff scc
19.10.2010	51	male	Oral cavity		well diff scc
21.10.2010	50	male	Oral cavity		well diff scc
22.10.2010	35	male	Oral cavity		well diff scc
23.10.2010	75	male	Oral cavity	tongue	well diff scc
23.10.2010	45	FEMALI	thyroid		papillary carcinoma
23.10.2010	45	FEMALI	Oral cavity		mod diff scc
25.10.2010	63	male	Oral cavity		mod diff scc
25.10.2010	35	male	nasopharynx		mod diff scc

26.10.2010	62	female	hypopharynx	pyriform fossa	mod diff scc
27.10.2010	63	male	larynx		mod diff scc
28.10.2010	67	male	larynx		mod diff scc
28.10.2010	67	male	Oral cavity	tongue	well diff scc
3.11.2010	55	male	Oral cavity	tongue	well diff scc
4.11.2010	67	female	nose		mucosal malignant melanoma
8.11,2010	52	male	nasopharynx		inf nonkeratinising scc
8.11.2010	75	female	Oral cavity	tongue	well diff scc
8.11.2010	75	male	larynx	subglottis	mod diff scc
8.11.2010	42	male	Oral cavity		mod diff scc
15.11.2010	28	female	Oral cavity	tongue	well diff scc
17.11.2010	49	male	larynx	supraglottis	well diff scc
25.11,2010	60	male	larynx		mod diff scc
2.12.2010	60	male	larynx		mod diff scc
2.12.2010	52	male	oropharynx		mod diff scc
2.12.2010	65	male	esophagus		mod diff scc
4.12.2010	31	male	hypopharynx	post cricoid growth	well diff scc
4.12.2010	37	female	Oral cavity		small round cell tumour (lymphoma)
14.12.2010	68	male	Oral cavity	lower alveolus	well diff scc
15.12.2010	19	female	neck node		non hodgkin lymphoma
15.12.2010	60	male	oropharynx	vallecular growth	mod diff scc
20.12.2010	32	male	Oral cavity		scc-verrucous type
21.12.2010	57	male	Oral cavity	lower alveolus	well diff scc
22.12.2010	55	male	thyroid		papillary carcinoma
23.12.2010	60	male	oropharynx		well diff scc
24.12.2010	62	male	nasopharynx		mod diff scc
24.12.2010	70	female	Oral cavity		well diff scc
27.12.2010	65	male	hypopharynx		mod diff scc

DATE	AGE	SEX	TOPOGRAPHICAL SITE	HISTOLOGICAL DIAGNOSIS
2.1.2011	43	male	oral cavity	well diff scc
3.1.2011	64	male	post pharyngeal wall	scc
3.1.2011	58	male	tongue	mod diff scc
5.1.2011	54	Female	buccal mucosa	mod diff scc
6.1.2011	55	male	cervical node	non hodgkin lymphoma
6.1.2011	40	male	supraglottis	poorly diff ca
7.1.2011	50	male	lip	mod diff scc
12.1.2011	40	Female	cheek	infiltrating mod diff scc
13.1.2011	48	Female	buccal mucosa	mod diff scc
15.1.2011	57	Female	thyroid	Encapsulated papillary carcinoma
18.1.2011	38	female	thyroid	papillary carcinoma
23.1.2011	74	male	upper lip	well diffscc
25.1.2011	74	male	upper lip	well diffscc
30.1.2011	64	male	tonsil	mod diff scc
5.2.2011	65	male	hard palate	mod diff scc
5.2.2011	57	Female	thyroid	papillary carcinoma
7.2.2011	55	male	hard palate	poorly diff ca
7.2.2011	36	male	tongue	well diffscc
14.2.2011	75	male	hypopharynx	well diff scc
17.2.2011	52	male	vocal cord	well diff scc
21.2.2011	71	male	pyriform fossa	mod diff scc
21.2.2011	65	male	pyriform fossa	mod diff scc
22.2.2011	60	male	buccal mucosa	mod diff scc
22.2.2011	77	male	tongue	mod diff scc
24.2.2011	65	male	buccal mucosa	mod diff scc
24.2.2011	40	male	buccal mucosa	mod diff scc
28.2.2011	10	male	mandible	ewings small cell osteosarcoma
2.3.2011	50	male	oropharynx	well diff scc
2.3.2011	67	male	pyriform fossa	mod diff scc
5.3.2011	56	male	vallecula	well diff scc
10.3.2011	56	Female	thyroid	papillary carcinoma
14.3.2011	40	male	buccal mucosa	well diffscc
15.3.2011	52	male	buccal mucosa	well diffscc
18.3.2011	76	male	tongue	mod diff scc
20.3.2011	57	Female	thyroid	papillary carcinoma
22.3.2011	77	male	tongue	mod diff scc
26.3.2011	60	male	buccal mucosa	mod diff scc
28.3.2011	55	male	hard palate	poorly diff ca
28.3.2014	40	male	buccal mucosa	mod diff scc
25.3.2011	63	female	thyroid	papillary carcinoma
25.3.2011	84	male	tongue	well diff scc
25.3.2011	55	male	tonsil	mod diff scc
29.3.2011	54	male	hypopharynx	well diff scc
1.4.2011	57	male	neck node	papillary carcinoma
3.4.2011	65	male	buccal mucosa	well diffscc
3.4.2011	49	male	tongue	mod diff scc
5.4.2011	49	Female	thyroid	medullary ca
5.4.2011	35	Female	buccal mucosa	well diffscc
8.4.2011	38	male	buccal mucosa	well diffscc
8.4.2011	63	male	buccal mucosa	well diffscc
15.4.2011	45	male	tonsil	well diffscc

17.4.2011	40	male	buccal mucosa	well diffscc
19.4.2011	39	male	tongue	well diffscc
19.4.2011	70	Female	buccal mucosa	well diffscc
21.4.2011	38	male	post cricoid	well diff scc
21.4.2011	31	male	nasopharynx	lymphoepithelioma
22.4.2011	56	male	tonsil	well diff scc
23.4.2011	40	female	nasopharynx	poorly diff scc
26.4.2011	40	female	tongue	mod diff scc
28.4.2011	62	male	cricopharynx	scc
28.4.2011	62	male	tongue	infiltrating scc
7.5.2011	65	male	hypopharynx	mod diff scc
8.5.2011	27	male	buccal mucosa	well diffscc
8.5.2011	45	male	tongue	well diffscc
13.5.2011	60	female	thyroid	papillary carcinoma
13.5.2011	32	male	tongue	mod diff scc
18.5.2011	29	female	thyroid	papillary carcinoma
18.5.2011	40	male	supraglottis	mod diff scc
18.5.2011	70	male	neck node	mod diff scc
21.5.2011	50	male	pyriform fossa	mod diff scc
30.5.2011	50	female	tongue	mod diff scc
9.6.2011	65	male	tongue	mod diff scc
9.6.2011	75	male	oropharynx	mod diff scc
15.6.2011	23	male	post cricoid	well diff scc
15.6.2011	58	male	pyriform fossa	mod diff scc
15.6.2011	36	male	pyriform fossa	mod diff scc
24.6.2011	48	male	oropharynx	well diff scc
27.6.2011	65	male	oropharynx	mod diff scc
27.6.2011	33	male	esophagus	mod diff scc
1.7.2011	80	male	tongue	well diff scc
3.7.2011	50	Female	buccal mucosa	scc
5.7.2011	54	male	lateral border of tongue	scc
7.7.2011	47	male	lateral border of tongue	verrucous carcinoma
8.7.2011	55	male	hard palate	verrucous carcinoma
8.7.2011	38	male	buccal mucosa	well diffscc
10.7.2011	63	male	buccal mucosa	well diffscc
12.7.2011	50	Female	buccal mucosa	well diffscc
20.7.2011	44	male	buccal mucosa	well diffscc
21.7.2011	44	male	buccal mucosa	well diff scc
24.7.2011	40	male	supraglottis	mod diff scc
29.7.2011	57	Female	lower alveolus	infiltrating scc
30.7.2011	75	femlae	scalp	Bcc
4.8.2011	55	male	lower lip	well diff adeno ca
7.8.2011	50	Female	tongue	well diffscc
11.8.2011	50	Female	tongue	infiltrating scc
16.8.2011	36	male	lateral border of tongue	infiltrating scc
17.8.2011	62	male	lower alveolus	mod diff scc
19.8.2011	55	Female	tongue	infiltrating scc
20.8.2011	62	male	lower alveolus	mod diff scc
24.8.2011	36	Female	thyroid	papillary carcinoma
24.8.2011	64	male	parotid	mucoepidermoid carcinoma
26.8.2011	65	male	buccal mucosa	well diffscc
29.8.2011	70	Female	buccal mucosa	well diffscc

30.8.2011	56	male	tongue	well diffscc
2.9.2011	64	male	hypopharynx	keratinising scc
4.9.2011	37	male	buccal mucosa	infiltrating scc
6.9.2011	37	male	buccal mucosa	infiltrating scc
14.9.2011	45	Female	thyroid	follicular ca
23.9.2011	70	Female	buccal mucosa	infiltrating scc
5.10.2011	69	male	lateral border of tongue	well diffscc
8.10.2011	50	Female	buccal mucosa	well diffscc
14.10.2011	50	Female	buccal mucosa	well diffscc
26.10.2011	28	male	tongue	infiltrating scc
3.11.2011	38	female	eyebrow	pigmented Bcc
9.11.2011	48	female	innercanthus	poorly diff ca
17.11.2011	50	female	mandible	mod diff scc
28.11.2011	69	male	lateral border of tongue	well diffscc
2.12.2011	57	MALE	thyroid	papillary carcinoma
5.12.2011	60	male	hypopharynx	mod diff scc
12.12.2011	18	Female	thyroid	papillary carcinoma
16.12.2011	63	Female	buccal mucosa	well diff scc
18.12.2011	55	male	buccal mucosa	well diff infiltrating scc
9.12.2011	60	male	retromolar trigone	scc
20.12.2011	55	male	cheek	scc

DATE	AGE	SEX	TOPOGRAPHICAL SITE	HISTOLOGICAL DIAGNOSIS
4.1.2012	50	male	vocal cord	infiltrating scc
5.1.2012	72	male	eyelid	
9.1.2012	50	male	hypopharynx	mod diff sc
9.1.2012	50	male	hypopharynx	mod diff scc
13.1.2012	60	male	oropharynx	mod diff sc
19.1.2012	30	female	submndibular gland	adenoid cystic a
19.1.2012	60	male	oropharynx	mod diff scc
21.1.2012	70	female	cricopharynx	scc
23.1.2012	48	male	oropharynx	mod diff sc
23.1.2012	48	male	oropharynx	mod diff scc
30.1.2012	57	male	glottis	scc
3.2.2012	68	male	post tongue	scc
7.2.2012	60	male	oropharynx	mod diff sc
11.2.2012	53	male	oesophagus	mod diff scc
11.2.2012	56	female	cheek	mod diff scc
11.2.2012	60	female	outer canthus	bcc
12.2.2012	33	male	buccal mucosa	mod diff scc
12.2.2012	33	male	upper alveolus	mod diff scc
16.2.2012	60	male	oropharynx	mod diff sc
20.2.2012	65	male	hypopharynx	scc
21.2.2012	54	male	oropharynx	poorly diff scc
21.2.2012	54	male	oropharynx	poorly diff scc
23.2.2012	45	female	hypopharynx	scc
24.2.2012	36	male	oropharynx	scc
25.2.2012	60	male	hypopharynx	scc
27.2.2012	60	male	pyriform fossa	mod diff scc
27.2.2012	53	male	oropharynx	poorly diff scc
27.2.2012	60	mlae	hypopharynx	poorly diff scc
27.2.2012	53	mlae	oropharynx	poorly diff scc
1.3.2012	60	male	larynx	mod diff sc
5.3.2012	66	male	tongue	infiltrating scc
9.3.2012	27	male	pinna	well diff scc
9.3.2012	49	male	oropharynx	scc
12.3.2012	70	female	oropharynx	mod diff sc
20.3.2012	65	male	hard palate	scc
21.3.2012	45	male	oropharynx	infiltrating scc
21.3.2012	65	male	nasopharynx	lymphoepithelioma
28.3.2012	64	male	oropharynx	poorly diff scc
31.3.2012	70	female	oropharynx	mod diff sc
4.4.2012	42	male	tongue	well diff scc
7.4.2012	48	male	laryngopharynx	scc
19.4.2012	60	ale	hypopharynx	mod diff sc
19.4.2012	45	female	thyroid	papillary carcinoma
18.4.2012	56	male	larynx	mod diff scc
27.4.2012	85	male	cheek	infiltrating scc
28.4.2012	54	male	neck node	NHL small lymphocytic type
3.5.2012	60	male	tongue	well diff scc
3.5.2012	55	male	tongue	poorly diff scc
5.5.2012	55	male	nose	mod difff scc
10.5.2012	65	male	oropharynx	mod diff scc
11.5.2012	55	male	laryngopharynx	scc
11.5.2012	65	male	subglottis	infiltrating scc
15.5.2012	65	male	hypopharynx	scc
16.5.2012	50	male	larynx	poorly diff scc
17.5.2012	45	female	neck node	Hodgkin's lymphoma
23.5.2012	52	male		poorly diff scc
26.5.2012	49	male	pyriform fossa	mod diff sc

28.5.2012	50	female	parotid	low grade mucoepidermoid ca
29.5.2012	47	male	oropharynx	verrucous carcinoma
29.5.2012	43	female	hypopharynx	poorly diff scc
30.5.2012	55	male	vocal cord	mod diff scc
31.5.2012	45	male	eyelid	meibomian ca
2.6.2012	60	male	maxilla	well diff scc
3.6.2012	66	male		mod diff sc
5.6.2012	50	male	oropharynx	poorly diff scc
5.6.2012	85	male	nasolabial region	Bcc
5.6.2012	65	male	nose	poorly diff scc
9.6.2012	60	male	tongue	mod diff sc
11.6.2012	62	male	parotid	high grade mucoepidermoid ca
14.6.2012	50	male	face	pigmented bcc
14.6.2012	50	female		well diff scc
18.6.2012	46	female	tongue	well diff scc
27.6.2012	49	female	thyroid	papillary carcinoma
2.7.2012	55	male	oropharynx	mod diff sc
2.7.2012	58	male	pyriform fossa	mod diff sc
11.7,2012	60	male	oropharynx	mod diff sc
31.7.2012	53	male	tonsil	well diff scc
31.7.2012	67	male	larynx	mod diff sc
3.8.2012	43	male	vocal cord	mod diff sc
4.8.2012	55	male	oropharynx	well diff scc
10.8.2012	65	male	oropharynx	mod diff sc c
14.8.2012	57	male	floor of mouth	mod diff scc
21.8.2012	31	female	thyroid	medullary ca
25.8.2012	60	female	hypopharynx	poorly diff scc
25.8.2012	58	mlae	hypopharynx	poorly diff scc
31.8.2012	42	male	vocal cord	poorly diff scc
31.8.2012	45	male	vallecula	well diff scc
4.9.2012	54	male	tongue	mod diff scc
12.9.2012	70	male		poorly diff scc
12.9.2012	66	male	oropharynx	mod diff scc
21.9.2012	57	male	tongue	well diff scc
1.10.2011	49	male	post pharyngeal wall	mod diff scc
5.10.2012	60	male	pyriform fossa	mod diff scc
10.10.2012	50	male	hard palate	dyspialas
11.10.2012	57	female		mod diff scc
11.10.2012	43	female	thyroid	papillary carcinoma
19.10.2012	20	female	thyroid	papillary carcinoma
19.10.2012	38	male	supraglottis	well diff scc
19.10.2011	66	male	soft palate	poorly diff scc
19.10.2012	55	female	thyroid	papillary carcinoma
9.11.2012	48	male	tonsil	scc
12.11.2012	50	male	tonsil	infiltrating scc
14.11.2012	45	male	lower lip	well diff scc
17.11.2012	40	female	submaandibular gland	mucoepidermoid ca
19.11.2012	40	female	thyroid	papillary carcinoma
20.11.2012	40	male	tongue	mod diff scc
20.11.2012	55	male	larynx	scc
23.11.2012	60	male	tonsil	scc
29.11.2012	60	male	tongue	well diff scc
1.12.2012	45	female	thyroid	papillary carcinoma
1.12.2012	55	male	oropharynx	scc
2.12.2012	57	male	thyroid	papillary carcinoma
3.12.2012	45	male	oropharynx	mod diff scc
5.12.2012	60	male	pyriform fossa	mod diff scc
7.12.2012	61	male	oral cavity	mod diff scc

10.12.2012	50	male	oropharynx	scc
10.12.2012	45	male	laryngopharynx	hyperplastic scc
18.12.2012	45	male	pyriform fossa	mod diff scc
21.12.2012	45	female	post pharyngeal wall	mod diff scc
24.12.2012	50	male	oropharynx	mod diff scc
31.12.2012	77	male	larynx	scc

DATE	AGE	SEX	TOPOGRAPHICAL SITE	HISTOLOGICAL DIAGNOSIS
3.1.2013	34	female	thyroid	papillary carcinoma
4.1.2013	60	female	thyroid	papillary carcinoma
7.1.2013	49	female	tongue	well diff scc
5.1.2013	53	male	supraglottis	scc
7.1.2013	74	male	cricopharynx	scc
7.1.2013	54	male	epiglottis	well diff scc
7.1.2013	70	male	hypopharynx	mod diff scc
8.1.2013	63	male	post tongue	infiltrative scc
8.1.2013	53	male	floor of mouth	well diff scc
8.1.2013	73	male	tonsil	mod diff scc
10.1.2013	55	male	larynx	scc
10.1.2013	62	male	tonsil	mod diff scc
11.1.2013	40	female	post pharyngeal wall	well diff scc
13.1.2013	72	female	tongue	verrucous carcinoma
13.1.2013	36	female	thyroid	papillary carcinoma
17.1.2013	70	male	submandibular gland	scc
18.1.2013	30	male	thyroid	papillary carcinoma
21.1.2013	62	male	oesophagus	mod diff scc
22.1.2013	50	female	anterior tongue	well diff scc
22.1.2013	73	male	anterior tongue	well diff scc
22.1.2013	38	male	anterior tongue	scc
23.1.2013	51	male	buccal mucosa	scc
24.1.2013	36	female	anterior tongue	well diff scc
29.1.2013	65	male	buccal mucosa	well diff scc
31.1.2013	38	male	buccal mucosa	mod diff scc
31.1.2013	46	male	buccal mucosa	invasive scc
1.2.2013	53	male	neck node	mod diff scc
2.2.2013	45	male	post cricoid	scc
5.2.2013	55	male	vallecula	invasive scc
5.2.2013	55	female	buccal mucosa	verrucous carcinoma
5.2.2013	48	male	thyroid	papillary carcinoma
5.2.2013	57	male	oropharynx	well diff scc
7.2.2013	55	female	buccal mucosa	well diff scc
11.2.2013	76	male	larynx	mod diff scc
11.2.2013	60	male	vocal cord	scc
11.2.2013	75	male	hypopharynx	mod diff scc
13.2.2013	72	male	oropharynx	mod diff scc
13.2.2013	47	male	buccal mucosa	invasive scc
13.2.2013	60	male	oropharynx	mod diff scc
13.2.2013	65	female	anterior tongue	keratinising scc
18.2.2013	45	male	laryngopharynx	scc
18.2.2013	43	male	retromolar trigone	well diff scc
19.2.2013	60	female	lower alveolus	keratinising scc
19.2.2013	60	female	oral cavity	scc
20.2.2013	65	male	oropharynx	scc
22.2.2013	43	male	anterior tongue	well diff scc
23.2.2013	38	female	thyroid	follicular variant of papillary carcinom
23.2.2013	63	male	tonsil	mod diff scc
24.2.2013	42	male	buccal mucosa	mod diff scc
26.2.2013	46	male	vocal cord	well diff scc
26.2.2013	47	female	anterior tongue	well diff scc

2.3.2013	31	male	anterior tongue	well diff scc
2.3.2013	60	female	buccal mucosa	well diff scc
3.3.2013	70	female	tongue	well diff scc
4.3.2013	55	male	hypopharynx	mod diff scc
6.3.2013	64	female	alveolus	well diff scc
7.3.2013	55	male	pyriform fossa	well diff scc
8.3.2013	70	female	post tongue	scc
8.3.2013	70	male	pyriform fossa	mod diff scc
14.3.2013	43	male	posterior tongue	mod diff scc
16.3.2013	62	male	tonsil	scc
21.3.2013	60	male	laryngopharynx	scc
21.3.2013	48	male	larynx	scc
21.3.2013	60	male	larynx	scc
22.3.2013	54	male	posterior tongue	ca in situ
27.3.2013	45	female	post cricoid	well diff scc
27.3.2013	70	male	posterior tongue	mod diff scc
29.3.2013	50	female	posterior tongue	mod diff scc
31.3.2013	70	male	tongue	mod diff scc
2.4.2013	55	female	cheek	well diff scc
2.4.2013	49	female	lip	infiltrative scc
3.4.2013	55	male	esophagus	
4.4.2013	37	female	thyroid	papillary carcinoma
4.4.2013	37	female	thyroid	papillary carcinoma
15.4.2013	40	male	cricopharynx	mod diff scc
15.4.2013	40	male	cricopharynx	mod diff scc
16.4.2013	70	male	esophagus	poorly diff ca
23.4.2013	67	male	esophagus	scc
25.4.2013	36	male	gingiva	scc
2.5.2013	75	female	lateral tongue	scc
2.5.2013	75	female	tongue	scc
7.5.2013	45	male	esophagus	scc
8.5.2013	60	male	tongue	well diff scc
9.5.2013	70	male	pyriform fossa	scc
9.5.2013	70	male	pyriform fossa	mod diff scc
12.5.2013	60	female	maxilla	well diff scc
16.5.2013	77	male	esophagus	mod diff scc
22.5.2013	48	male	ant,tongue	mod diff scc
22.5.2013	41	male	pyriform fossa	mod diff scc
3.6.2013	84	female	thyroid	papillary carcinoma
3.6.2013	42	female	thyroid	papillary carcinoma
20.6.2013	63	female	nasopharynx	nasopharyngeal ca
22.6.2013	60	male	glottis	mod diff scc
24.6.2013	35	female	thyroid	follicular ca
29.6.2013	36	male	Oral cavity	scc grade2-3
30.6.2013	44	male	thyroid	follicular carcinoma
30.6.2013	63	female	thyroid	papillary carcinoma
1.7.2013	70	male	pyriform fossa	mod diff scc
11.7.2013	26	female	thyroid	papillary carcinoma
25.7.2013	55	male	lip	mucoepidermoid ca
27.7.2013	36	femlae	thyroid	papillary carcinoma
1.8.3013	38	male	buccal mucosa	scc
2.8.2013	51	male	tongue	scc

16.8.2013	49	male	pyriform fossa	scc
27.8.2013	65	male	soft palate	scc
27.8.2013	60	female	tongue	scc
30.8.2013	53	male	cheek	scc
3.9.2013	45	male	cricopharynx	scc
11.9.2013	50	female	tongue	scc
17.9.2013	70	male	pyriform fossa	scc
28.9.2013	64	female	buccal mucosa	scc
1.10.2013	50	male	tongue	scc
14.10.2013	47	male	Oral cavity	scc grade 3
17.10.2013	61	male	oropharynx	mod diff scc
19.10.2013	14	female	nasopharynx	undiff nasophayngeal carcinoma
22.10.2013	55	female	Oral cavity	scc-large cells grade 2
22.10.2013	25	female	neck node	non Hodgkin's lymphoma
7.11.2013	63	male	Oral cavity	scc grade1
8.11.2013	70	male	thyroid	papillary carcinoma
16.11.2013	39	male	vocal cord	scc
25.11.2013	25	male	parotid	aciniccell carcinoma
2.12.2013	36	male	tongue	keratinising scc
5.12.2013	35	male	cheek	grade 1 dysplasia
16.12.2013	48	male	oropharynx	scc
26.12.2013	30	female	thyroid	papillary carcinoma
30.12.2013	42	female	cheek	scc
31.12.2013	60	male	hypopharynx	scc

DATE	AGE	SEX	TOPOGRAPHICAL SITE	HISTOLOGICAL DIAGNOSIS
6.1.2014	55	male	tongue	scc
21.2.2014	40	male	buccal mucosa	mod diff scc
22.1.2014	70	male	buccal mucosa	infiltrating scc
25.1.2014	32	male	orbitalmass	non hodgkin lymphoma
27.1.2014	50	male	lower alveolus	well diffscc
29.1.2014	51	Female	lateral border of tongue	scc
31.1.2014	50	Female	buccal mucosa	infiltrating scc
1.2.2014	51	male	pyriform fossa	scc
3.2.2014	58	male	tongue	mod diff scc
10.2.2014	39	male	buccal mucosa	well diffscc
11.2.2014	50	male	soft palate	mod diff scc
14.2.2014	48	male	buccal mucosa	mod diff scc
14.2.2014	40	male	hard palate	mod diff scc
14.2.2014	48	male	buccal mucosa	mod diff scc
20.2.2014	35	Female	thyroid	papillary carcinoma
21.2.2014	30	femlae	thyroid	papillary carcinoma
22.2.2014	78	male	floor of mouth	mod diff scc
26.2.2014	52	Female	buccal mucosa	mod diff scc
28.2.2014	10	male	mandible	smallround cell tumour
28.2.2014	65	male	buccal mucosa	mod diff scc
1.3.2014	47	male	buccal mucosa	well diffscc
4.3.2014	66	male	parotid	myoepithelial carcinoma
6.3.2014	66	Female	tongue	mod diff scc
10.3.2014	53	male	tongue	well diffscc
15.3.2014	65	Female	buccal mucosa	well diffscc
15.3.2014	64	male	tongue	well diffscc
17.3.2014	56	male	lateral border of tongue	well diffscc
18.3.2014	46	male	tonsil	mod diff scc
19.3.2014	74	male	lip	well diffscc
20.3.2014	34	male	buccal mucosa	mod diff scc
21.3.2014	42	male	thyroid	papillary carcinoma
22.3.2014	57	male	soft palate	well diffscc
22.3.2014	53	male	thyroid	papillary carcinoma
24.3.2014	35	Female	thyroid	follicular ca
28.3.2014	52	male	floor of mouth	mod diff scc
2.4.2014	61	male	hard palate	well diffscc
3.4.2014	50	Female	buccal mucosa	well diffscc
9.4.2014	49	male	parotid	mucoepidermoid carcinoma
10.4.2014	56	Female	thyroid	papillary carcinoma
12.4.2014	75	male	hard palate	well diffscc
12.4.2014	57	Female	lower alveolus	mod diff scc
15.4.2014	40	male	buccal mucosa	mod diff scc
16.4.2014	46	male	buccal mucosa	well diffscc
18.4.2014	62	male	lower alveolus	mod diff scc
19.4.2014	63	male	tongue	scc
22.4.2014	39	male	buccal mucosa	mod diff scc
22.4.2014	62	male	tongue	scc
23.4.2014	72	Female	buccal mucosa	infiltrating scc
23.4.2014	65	femlae	cricopharynx	mod diff scc
25.4.2014	38	male	pyriform fossa	well diffscc
25.4.2014	50	male	buccal mucosa	infiltrating scc
26.4.2014	65	female	esophagus	well diff ca
28.4.2014	72	Female	buccal mucosa	infiltrating scc
29.4.2014	55	female	oropharynx	mod diff scc
30.4.2014	68	male	buccal mucosa	infiltrating scc
1.5.2014	33	male	tongue	mod diff scc
1.5.2014	37	male	tongue	mod diff scc
2.5.2014	60	male	esophagus	mod diff scc

2.5.2014	60	female	tongue	mod diff scc
3.5.2014	38	male	buccal mucosa	well diffscc
7.5.2014	38	male	buccal mucosa	well diffscc
8.5.2014	47	male	lateral border of tongue	verrucous carcinoma
8.5.2014	27	male	buccal mucosa	scc
12.5.2014	60	Female	buccal mucosa	Dysplasia
12.5.2014	55	male	lower lip	well diff adeno ca
19.5.2014	50	male	buccal mucosa	well diffscc
20.5.2014	62	Female	buccal mucosa	well diffscc
20.5.2014	62	Female	buccal mucosa	well diffscc
21.5.2014	38	male	hypopharynx	well diffscc
21.5.2014	57	Female	lower alveolus	infiltrating scc
21.5.2014	44	male	buccal mucosa	infiltrating scc
22.5.2014	60	Female	buccal mucosa	infiltrating scc
22.5.2014	55	Female	tongue	infiltrating scc
22.5.2014	60	Female	buccal mucosa	infiltrating scc
22.5.2014	49	Female	thyroid	medullary ca
22.5.2014	55	Female	tongue	infiltrating scc
23.5.2014	82	male	oropharynx	infiltrating scc
24.5.2014	64	male	parotid	mucoepidermoid carcinoma
26.5.2014	70	Female	buccal mucosa	well diffscc
26.5.2014	50	male	tongue	well diffscc
27.5.2014	56	male	upper alveolus	mod diff scc
28.5.2014	43	male	anterior tongue	well diffscc
28.5.2014	30	male	tongue	infiltrating scc
29.5.2014	56	male	upper alveolus	mod diff scc
30.5.2014	28	Female	tongue	well diffscc
30.5.2014	28	male	tongue	infiltrating scc
3.6.2014	62	male	buccal mucosa	scc
4.6.2014	44	male	hard palate	scc
5.6.2014	45	male	lateral border of tongue	verrucous carcinoma
6.6.2014	52	male	soft palate	poorly diff scc
10.6.2014	43	Female	parotid	adenoid cystic ca
17.6.2014	17	Female	lateral border of tongue	well diffscc
22.7.2014	39	male	buccal mucosa	mod diff scc
16.8.2014	57	male	esophagus	mod diff scc
22.8.2014	46	male	pyriform fossa	mod diff scc
22.8.2014	62	male	cricopharynx	well diff scc
23.8.2014	55	male	larynx	mod diff scc
23.8.2014	50	male	oral cavity	verrucous carcinoma
26.8.2014	56	male	oropharynx	mod diff scc
26.8.2014	57	male	hypopharynx	mod diff scc
8.9.2014	58	Female	vallecula	well diffscc
19.9.2014	57	male	nasopharynx	poorly diff ca
22.9.2014	55	male	lateraltongue	mod diff scc
27.9.2014	48	female	thyroid	papillary carcinoma
9.9.2014	55	male	larynx	mod diff scc
5.9.2014	62	male	oropharynx	mod diff scc
2.9.2014	36	male	hypopharynx	mod diff scc
16.9.2014	25	male	thyroid	papillary carcinoma
15.9.2014	62	male	oropharynx	mod diff scc
22.9.2014	57	male	vocal cord	mod diff scc
20.9.2014	45	female	lower lip	infilrating scc
29.9.2014	57	male	neck node	
4.10.2014	75	male	tonsil	mod diff scc
14.10.2014	65	Female	retroorbital tumour	malignant peripheralnerve sheath tumour
20.10.2014	44	male	tonsil	mod diff scc
27.10.2014	56	Female	hypopharynx	poorly diff scc
14.11.2014	48	male	supraglottis	mod diff scc

21.11.2014	70	male	supraglottis	carcinoma in situ
22.7.2014	39	male	buccal mucosa	mod diff scc
27.11.2014	44	Female	thyroid	papillary carcinoma
28.11.2014	80	male	alveolus	well diff scc
28.11.2014	52	male	floor of mouth	well diff scc
1.12.2014	40	Female	hypopharynx	carcinoma in situ
2.12.2014	56	male	buccal mucosa	infiltrating mod diff scc
3.12.2014	38	male	buccal mucosa	keratinising scc
3.12.2014	16	male	mandible	osteosarcoma
6.12.2014	60	Female	lower alveolus	keratinising scc
8.12.2014	73	Female	buccal mucosa	carcinoma in situ
8.12.2014	80	male	vallecula	infiltrating mod diff scc
10.12.2014	62	male	tongue	well diff infiltrating scc
11.12.2014	75	Female	buccal mucosa	well diff infiltrating scc
11.12.2014	48	male	buccal mucosa	well diff scc
12.12.2014	80	male	tongue	well diff infiltrating scc
13.12.2014	60	Female	buccal mucosa	well diff infiltrating scc
15.12.2014	45	male	tonsil	mod diff scc
18.12.2014	55	male	vocal cord	poorly diff ca
19.12.2014	57	Female	post cricoid	infiltrating scc
23.12.2014	75	male	buccal mucosa	keratinising scc
23.12.2014	49	male	buccal mucosa	scc
23.12.2014	43	male	post cricoid	mod diff scc
24.12.2014	48	male	buccal mucosa	keratinising well diff scc
24.12.2014	60	male	supraglottis	carcinoma in situ
25.12.2014	45	male	buccal mucosa	mild -moderate dysplasia